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(FILE 'WPINDEX, USPATFULL' ENTERED AT 12:09:09 ON 02 NOV 95)
DEL HIS Y

FILE 'REGISTRY' ENTERED AT 12:29:29 ON 02 NOV 95

L1 0 S DCQNYI/SQEP
E DCQNYI/SQEP
L2 0 S CGT[NG] [AS]..P
L3 15 S CGT[NG] [AS]..P/SQSP
L4 0 S L3 AND 8/SQL

=> d l3 1-15 sqide can;fil ca,capre,caplu,caol;s l3

L3 ANSWER 1 OF 15 REGISTRY COPYRIGHT 1995 ACS
RN 168458-97-7 REGISTRY
CN Semaphorin SemD (mouse) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Collapsin SemD (mouse)
FS PROTEIN SEQUENCE
SQL 772

SEQ 1 MGWFTGIACL FWGVLLTARA NYANGKNNVP RLKLSYKEML ESNNVITFNG
51 LANSSSYHTF LLDEERSRLY VGAKDHIFS NLVNIKDFQK IVWPVSYTRR
101 DECKWAGKDI LKECANFIKV LEAYNQTHLY ACGTGAFHPI CTYIEVGHHHP
=====

151	EDNIFKLQDS	HFENGRGKSP	YDPKLLTASL	LIDGELYSGT	AADFMGRDFA
201	IFRTLGDHHP	IRTEQHDSRW	LNDPRFISAH	LIPESDNPED	DKVYFFFREN
251	AIGGEHSGKA	THARIGQICK	NDFGGHRSLV	NKWTTFLLKAR	LICSVPGPNG
301	IDTHFDELQD	VFLMNSKDPK	NPIVYGVFTT	SSNIFKGS AV	CMYSMSDVRR
351	VFLGPYAHRD	GPNYQWVPYQ	GRVPYPRPGT	CPSKTFGGFD	STKDLRDDVI
401	TFGRSHPMY	NPVFPINRNP	IMIKTDVNYQ	FTQIVVDRVD	AEDGQYDVMF
451	IGTDVGTVLK	VVSVPKETWH	DLEEVLL EEM	TVFREPTTIS	AMELSTKQQQ
501	LYIGSTAGVA	QLPLHRCDIY	GKACAECCLA	RDPYCAWDGS	SCSRYFPTAK
551	RRTRRQDIRN	GDPLTHCSDL	EDHDNHHGPS	LEERIIYGVE	NSSTFLECS
601	KSQRALVYWQ	FQRRNRRSKR	EIRMGDHIIR	TEQGLLLRSL	QKKDSGNYLC
651	HAVEHGMQMT	LLKVTLEVID	TEHLEELLHK	DDDGDGSKIK	EMSSSMTPSQ
701	KVWYRDFMQL	INHPNLNTMD	EFCEQVWKRD	RKQRRQRP GH	SQGSSNKWKH
751	MQESKKGRNR	RTHEFERAPR	SV		

HITS AT: 132-139

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:221278

L3 ANSWER 2 OF 15 REGISTRY COPYRIGHT 1995 ACS
RN 167974-68-7 REGISTRY
CN Semaphorin III (mouse clone pMSemaIIIA fragment) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Collapsin (mouse clone pMSemaIIIA fragment)
FS PROTEIN SEQUENCE
SQL 666

SEQ 1 GKDILKECAN FIKVLEAYNQ THLYACGTGA FHPICTYIEV GHHPEDNIFK
=====

51	LQDSHFENGR	GKSPYDPKLL	TASLLIDGEL	YSGTAANFMG	RDFAIFRTL
101	HHHPIRTEQH	DSRWLNDPRF	ISAHLPESD	NPEDDKVYFF	FRENAIDGEH
151	SGKATHARIG	QICKNDFGGH	RSLVNKWTTF	LKARLICSVP	GPNGIDTHFD
201	ELQDVFLMNS	KDPKNPIVYG	VFTTSSNIFK	GSAVCMYSMS	DVRRVLLGPY
251	AHRDGPNYQW	VPYQGRVPYP	RPGTCPSKTF	GGFDSTKDLP	DDVITFARSH
301	PAMYNPVFPI	NNRPIMIKTD	VNYQFTQIVV	DRVDAEDGQY	DVMFIGTDVG
351	TVLKVVSVPK	ETWHDLEEV	LEEMTVFREP	TTISAMELST	KQQQLYIGST
401	AGVAQLPLHR	CDIYGKACAE	CCLARDPYCA	WDGSSCSRYF	PTAKRRTRRQ
451	DIRNGDPLTH	CSDLQHHDNH	HGPSLEERII	YGVENSSTFL	ECSPKSQRAL
501	VYWQFQRRNE	DRKEEIKMGD	HIIRTEQGLL	LRSLOKKDSG	NYLCHAVEHG
551	FMQTLLKVTL	EVIDTEHLEE	LLHKDDDGDG	SKIKEMSSSM	TPSQKVWYRD
601	FMQLINHPNL	NTMDEFCEQV	WKRDRKQRRQ	RPGHSQGSSN	KWKHMQUESKK
651	GRNRRTHEFE	RAPRSV			

HITS AT: 26-33

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:190149

L3 ANSWER 3 OF 15 REGISTRY COPYRIGHT 1995 ACS

RN 167941-10-8 REGISTRY

CN Semaphorin I (Tribolium embryo) (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE

SQL 712

SEQ	1	MVVKILVWSI	CLIALCHAWM	PDSSSKLINH	FKSVESKSFT	GNATFPDHF
	51	VLNQDETSIL	VGGRNRVYNL	SIFDLSEKRG	GRIDWPSSDA	HGQLCILKKG
	101	TDDDCQNYIR	ILYSSEPGKL	VICGTNSYKP	LCRTYAFKEG	KYLVEKEVEG
			=====			
	151	IGLCPYNPEH	NSTSVSYNGQ	LFSATVADFS	GGDPLIYREP	QRTELSDLKQ
	201	LNAPNFVNSV	AYGDYIFFFY	RETAVEYMNC	GKVIYSRVAR	VCKDDKGGPH
	251	QSRDRWTSFL	KARLNCISIPG	EYPFYFDEIQ	STSDIVEGRY	NSDDSKKIIY
	301	GILTTPVNAI	GGSAICAYQM	ADILRVFEGS	FKHQETINSN	WLPVPQNLVP
	351	EPRPGQCVRD	SRILPDKNVN	FIKTHSLMED	VPALFGKPVL	VRVSLQYRFT
	401	AITVDPQVKT	INNQYLDVLY	IGTDDGKVLK	AVNIPKRHAK	ALLYRKYRTS
	451	VHPHGAPVKQ	LKIAPGYGKV	VVVGKDEIRL	ANLNHCASKT	RCKDCVELQD
	501	PHCAWDAKQN	LCVSIIDTVTS	YRFLIQDVVR	GDDNKCWSPQ	TDKKTVIKNK
	551	PSEVENEITN	SIDEKDLDS	DPLIKTGLDD	DSDCDPVSEN	SIGGCAVRQQ
	601	LVIYTAGTLH	IVVVVVSIVG	LFSWLYSGLS	VFAKFHSDSQ	YPEAPFIEQH
	651	NHLERLSANQ	TGYLTFRANK	AVNLVVKVSS	STPRPKKDNL	DVSKDLNIAS
	701	DGTLQKIKKT	YI			

HITS AT: 123-130

MF Unspecified

CI MAN

SR CA

LC STN Files: CAPLUS, CAPREVIEWS

1 REFERENCES IN FILE CAPREVIEWS

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 4 OF 15 REGISTRY COPYRIGHT 1995 ACS

RN 167821-11-6 REGISTRY

CN Semaphorin II (Drosophila melanogaster) (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE

SQL 724

SEQ 1 MSLQLSPLL ALLLLLCSSV SETAADYENT WNFYYERPCC TGNDQGNNNY

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51 GKHGADHVRE FNCGKLYYRT FHMNEDRDTL YVGAMDRVFR VNLQNISSSN
101 CNRDAINLEP TRDDVVSCVS KGKSQIFDCK NHVRVIQSMD QGDRLYVCGT
=====
151 NAHNP KDYVI YANLTHLPRS EYVIGVGLGI AKCPYDPLDN STAIYVENG
=====
201 PGGLPGLYSG TNAEFTKADT VIFRTDLYNT SAKRLEYKFK RTLKYDSKWL
251 DKPNFVGSFD IGEYVYFFFR ETAVEYINCG KAVYSRIARV CKKDVGKGNL
301 LAHNWATYLK ARLNCSISGE FPFYFNEIQS VYQLPSDKSR FFATFTTSTN
351 GLIGSAVCSF HINEIQAAFN GKFKEQSSSN SAWLPVLNSR VPEPRPGTCV
401 NDTSNLPDTV LNFIRSHPLM DKAVNHEHNN PVYYKRDLVF TKLVVDKIRI
451 DILNQEYIVY YVGTNLGRIY KIVQYYRNGE SLSKLLDIFE VAPNEAIQVM
501 EISQTRKSLY IGTDHRIKQI DLAMCNRRYD NCFRCVRDPY CGWDKEANTC
551 RPYELDLLQD VANETSDICD SSVLKKKIVV TYGQSVHLGC FVKIPEVLKN
601 EQVTWYHHSK DKGRYEIRYS PTKYIETTER GLVVSVNEA DGGRYDCHLG
651 GSLLCSYNIT VDAHRCTPPN KSNDYQKIYS DWCHEFEKYK TAMKSWEKKQ
701 GQCSTRQNFS CNQHPNEIFR KPNV

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HITS AT: 148-155

MF Unspecified

CI MAN

SR CA

LC STN Files: CAPLUS, CAPREVIEWS

1 REFERENCES IN FILE CAPREVIEWS

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 5 OF 15 REGISTRY COPYRIGHT 1995 ACS

RN 167821-09-2 REGISTRY

CN Semaphorin I (Drosophila melanogaster C-terminal fragment) (9CI)
(CA INDEX NAME)

FS PROTEIN SEQUENCE

SQL 650

SEQ 1 EDDCQNYIRI MVVPSPGRLF VCGTNSFRPM CNTYIISDSN YTLKATKNGQ

=====

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51 AVCPYDPRHN STSVLADNEL YSGTVADFSG SDPIIYREPL QTEQYDSLSL
101 NAPNFVSSFT QGDFVYFFFR ETAVEFINCG KAIYSRVARV CKWDKGGPHR
151 FRNRWTSFLK SRLNCSIPGD YPFYFNEIQS ASNLVEGQYG SMSSKLIYGV
201 FNTPSNSIPG SAVCAFALQD IADTFEGQFK EQTGINSNWL PVNNAKVPDP
251 RPGSCHNDSR ALPDPTLNFI KTHSLMDENV PAFFSQPILV RTSTIYRFTQ
301 IAVDAQIKTP GGKTYDVIFV GTDHGKIIKS VNAESADSAD KVTSVVIEEI
351 DVLTKSEPIR NLEIVRTMQY DQPKDGSYDD GKLIIVTDSQ VVAIQLHRCH
401 NDKITSCSEC VALQDPYCAW DKIA GKCRSH GAPRWLEENY FYQNVATGQH
451 AACPSGKINS KDANAGEQKG FRNDMDLLDS RRQSKDQEII DNIDKNFEDI
501 INAQYTVETL VMAVLGSIIF SLLVGFFTGY FCGRRCHKDE DDNLPPYDTE
551 YEYFEQRQNV NSFPSSCRIQ QEPKLLPQVE EVTYADAVLL PQPPPPNKM
601 SPKNTLRKPP MHQMHQGPNS ETLFQFHVTA TTPSSRIVVA TTSEHCVPTR

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HITS AT: 22-29

MF Unspecified

CI MAN

SR CA

LC STN Files: CAPLUS, CAPREVIEWS

1 REFERENCES IN FILE CAPREVIEWS

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 6 OF 15 REGISTRY COPYRIGHT 1995 ACS

RN 167821-07-0 REGISTRY

CN Semaphorin I (grasshopper) (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE

SQL 730

SEQ 1 MRAALVAVAA LLWVALHAAA WVNDVSPKMY VQFGEERVQR FLGNESHKDH

51	FKLLEKDHNS	LLVGARNIVY	NISLRDLTEF	TEQRIEWHSS	GAHRELCYLK
101	GKSEDDCQNY	IRVLAKIDDD	RVLICGTNAY	KPLCRHYALK	DGDYVVEKEY
			=====	==	
151	EGRGLCPFDP	DHNSTAIYSE	GQLYSATVAD	FSGTDPLIYR	GPLRTERSDDL
201	KQLNAPNFVN	TMEYNDFIFF	FFRETAVEYI	NCGKAIYSRV	ARVCKHDKGG
251	PHQGGDRWTS	FLKSRLNCSV	PGDYPFYFNE	IQSTSDIIEG	NYGGQVEKLI
301	YGVFTTPVNS	IGGSAVCAFS	MKSILESFDG	PFKEQETMNS	NWLAVPSLKV
351	PEPRPGQCVN	DSRTLDPVSV	NFVKSHTLMD	EAVPAFFTRP	ILIRISLQYR
401	FTKIAVDQQV	RTPDGKAYDV	LFIGTDDGKV	IKALNSASF	SSDTVDSVVI
451	EELQVLPPGV	PVKNLYVVRM	DGDDSKLVVV	SDDEILAIKL	HRCGSDKITN
501	CRECVSLQDP	YCAWDNVELK	CTAVGSPDWS	AGKRRFIQNI	SLGEHKACGG
551	RPQTEIVASP	VPTQPTTKSS	GDPVHSIHQA	EFEPEIDNEI	VIGVDDSNVI
601	PNTLAEINHA	GSKLPSSQEK	LPIYTAETLT	IAIVTSCPGA	LVVGFISGFL
651	FSRRRCGEDY	TDMPPDQORH	QLNRLTEAGL	NADSPYLPPC	ANNKAAINLV
701	LNVPKKNANG	KNANSSAENK	PIQKVKKTYI		

HITS AT: 125-132

MF Unspecified

CI MAN

SR CA

LC STN Files: CAPLUS, CAPREVIEWS

1 REFERENCES IN FILE CAPREVIEWS

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 7 OF 15 REGISTRY COPYRIGHT 1995 ACS

RN 167821-03-6 REGISTRY

CN Semaphorin III (human) (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE

SQL 771

SEQ	1	MGWLTRIVCL	FWGVLLTARA	NYQNGKNNVP	RLKLSYKEML	ESNNVITFNG
	51	LANSSSYHTF	LLDEERSRLY	VGAKDHIFS	DLVNIKDFQK	IVWPVSYTRR
	101	DECKWAGKDI	LKECANFIKV	LKAYNQTHLY	ACGTGAFHPI	CTYIEIGHHP
				=====		
	151	EDNIFKLENS	HFENGRGKSP	YDPKLLTASL	LIDGELYSGT	AADFMGRDFA
	201	IFRTLGHHP	IRTEQHDSRW	LNDPKFISAH	LISESDNPED	DKVYFFFREN
	251	AIDGEHSGKA	THARIGQICK	NDFGGHRSV	NKWTTFLLKAR	LICSVPGPNG
	301	IDTHFDELQD	VFLMNFKDPK	NPVVYGVFTT	SSNIFKGSV	CMYSMSDVRR
	351	VFLGPYAHDR	GPNYQWVPYQ	GRVPYPRPGT	CPSKTFGGFD	STKDLPPDDVI
	401	TFARSHPAMY	NPVFPMMNRP	IVIKTDVNYQ	FTQIVVDRVD	AEDGQYDVMF
	451	IGTDVGTVLK	VVSIPKETWY	DLEEVILLEEM	TVFREPTAIS	AMELSTKQQQ
	501	LYIGSTAGVA	QLPLHRCDIY	GKACAECCLA	RDPYCAWDGS	ACSRYFPTAK
	551	RRTRRQDIRN	GDPLTHCSDL	HHDNHHGHSP	EERIIYGVEN	SSTFLECSPK
	601	SQRALVYWQF	QRRNEERKEE	IRVDDHIIRT	DQGLLLRSLQ	QKDSGNYLCH
	651	AVEHGFIQTL	LKVTLEVIDT	EHLEELLHKD	DDGDGSKTKE	MSNSMTPSQK
	701	VWYRDFMQLI	NHPNLNTMDE	FCEQVWKRDR	KQRRQRPGHT	PGNSNKWKHL
	751	QENKKGRNRR	THEFERAPRS	V		

HITS AT: 132-139

MF Unspecified

CI MAN

SR CA

LC STN Files: CAPLUS, CAPREVIEWS

1 REFERENCES IN FILE CAPREVIEWS

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 8 OF 15 REGISTRY COPYRIGHT 1995 ACS

RN 167679-25-6 REGISTRY

CN Protein ahv-sema (malignant catarrhal fever virus strain C500 reduced) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Protein (alcelaphine herpesvirus type 1 semaphorin-like reduced)

FS PROTEIN SEQUENCE
SQL 751

SEQ 1 MAYLNATVSK PVISLLSLSK KVLKFEHCGG EGQCLGLITE FVIHPAAMGT
51 LCVSIRLLMI LSAITAAKSR FIDKPR LIVN LTDGFGQHRF FGPQEPHTVL
101 FHSLNSSDVY VGGNNTIYLF DFAHSSNAST ALINITSTHN THRLSSTCEN
151 FITLLHNQTD GLLACGTNSQ KPSCWLINNL TTQFLGPKLG LAPFSPSSGN
===== ==
201 LVLFDQNDTY STINLYKSLS GSHKFRRIAG QVELYTSDTA MHRPQFVQAT
251 AVHKNESYDD KIYFFFQENS HSDFKQFPHT VPRVGQVCSS DQGGESSLSV
301 YKWITFLKAR LACVDYDTGR IYNELQDIFI WQAPENSWEET TLIYGLFLSP
351 WNFSAVCVFT VKDIDHVFKT SKLKNYHHKL PTPRPGQCMK NHQHVPPTTF
401 QVADRYPEVA DPVYQKNNAM FPIIQSKYIY TKLLVYRVEY GGVFWATIFY
451 LTTIKGTIHI YVRYEDSNST TALNILEINP FQKPAPIQNI LLDNTNLKLY
501 VNSEWEVSEV PLDLCSVYGN DCFSCFMSRD PLCTWYNNTC SFKQRVSVET
551 GGPANRTLSE MCGDHYAPT VVKHQVSIPLL SNSYLSCPAV SNHADYFWTK
601 DGFTEKRCHV KTHKND CILL IANSTTATNG THVCNMKEDS VTVKLLEVN
651 TLMEELLHKD DDGDGSKTKE MSNSMTPSQK VWYRDFMQLI NHPNLNTMDE
701 FCEQVWKRDR KQRRQRP GHT PGNSNKWKHL QENKKGRNRR THEFERAPRS
751 V

HITS AT: 165-172

MF Unspecified

CI MAN

SR CA

LC STN Files: CAPLUS, CAPREVIEWS

1 REFERENCES IN FILE CAPREVIEWS

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 9 OF 15 REGISTRY COPYRIGHT 1995 ACS

RN 167470-95-3 REGISTRY

CN Collapsin-2 (chicken brain) (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE

SQL 761

SEQ 1 MRASQVPNAC SLLSLAMLFF PVTGTSKQNI PRLKLSYKDL LLSNSCIPFL
51 GSTEGLDFRT LLLDEERGRL LVGAKDHIFL LNLVDLNKNV KKIYWPAAKE
101 KMELCKLAGK DAHTDCANFI RVLQPYNRTH VYVCGTGAFH PLCGYIELGT
===== =
151 HKEETIFRLD TQNLESGRLK CPFDPQQPFA SVMAD EYLYA GTASDFLGKD
201 TALTRSLGPS HDHHYIRTDI SEHYWLTGAK FIATFP IPTD YNPDDDKIYF
251 FFREISQDSS TSDKTILSRV GRVCKNDMGG QRSLINKWTT FLKARLVCSI
301 PGPEGADTHF DELQDIFLLS TRDERNPLVY GVFTTTSSVF KGSAVCVYSM
351 ADIRAVFNGP YAHKESADHR WVQYEGRI PY PRPGTCPSKT YDPLIKSTRD
401 FPDEVISFIK RHPLMYKSVY PLTGGPVFTR INVDYRLTQI VVDHVMAEDG
451 QYDVIFLGTD IGTVLKAVSI TKEKWTK EEV VLEELQIFKH PSFISTMEIS
501 QKQQQLYIGS RDGLVQLSLH RCHTYGKACA DCCLARDPYC AWDGNSCSRY
551 APTSKRRARR QDVKYGDPVA QCWDVEDSIS HETADEKVIF GIEFNSTFLE
601 CIPKSQQASI RWYIQRSGEE HREELKADER I IKTEHGLLI RSLQRRDAGA
651 YFCKAQEHTF IHTIVKLNLN VIENGQMEST QKTEDEEGRV RDLLTESRLR
701 YKDYIQLVSS PSFSLDEYCE QMWHREKRRQ RNKGGA KWKH VQEMKKKRN
751 RHHEPARPPS T

HITS AT: 134-141

MF Unspecified

CI MAN

SR CA

LC STN Files: CAPLUS, CAPREVIEWS

1 REFERENCES IN FILE CAPREVIEWS

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 10 OF 15 REGISTRY COPYRIGHT 1995 ACS

RN 153551-68-9 REGISTRY
CN Semaphorin III (human precursor reduced) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Fasciclin III (human precursor reduced)
FS PROTEIN SEQUENCE
SQL 575

SEQ 1 MGWLTRIVCL FWGVLLTARA NYQNGKNNVP RLKLSYKEML ESNNVITFNG
51 LANSSSYHTF LLDEERSRLY VGAKDHIFSF DLVNIKDFQK IVWPVSYTRR
101 DECKWAGKDI LKECANFIKV LKAYNQTHLY ACGTGAFHPI CTYIEIGHHP
=====

151 EDNIFKLENS HFENGRGKSP YDPKLLTASL LIDGELYSGT AADFMGRDFA
201 IFRTLGHHP IRTEQHDSRW LNDPKFISAH LISESDNPED DKVYFFFREN
251 AIDGEHSGKA THARIGQICK NDFGGHRSLV NKWTTFLKAR LICSVPGPNG
301 IDTHFDELQD VFLMNFKDPK NPVVYGVFTT SSNIFKGS AV CMYSMSDVRR
351 VFLGPYAH RD GPNYQWVPYQ GRVPYPRPGT CPSKTFGGFD STKDL PDDVI
401 TFARSHPAMY NPVFPMNNRP IVIKTDVNYQ FTQIVVDRVD AEDGQYDVMF
451 IGT DVGTVLK VVSIPKETWY DLEEV LLEEM TVFREPTAIS AMELSTKQQQ
501 LYIGSTAGVA QLPLHRCDIY GKACAECCLA RDPYCAWDGS ACSRYFPTAK
551 RRTRRQDIRN GDPLTHCSDL HHDNH

HITS AT: 132-139

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXLIT

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 120:155251

L3 ANSWER 11 OF 15 REGISTRY COPYRIGHT 1995 ACS

RN 153551-67-8 REGISTRY

CN Semaphorin II (Drosophila melanogaster precursor reduced) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Fasciclin II (Drosophila melanogaster precursor reduced)

FS PROTEIN SEQUENCE

SQL 706

SEQ 1 MSL LQLSP LL ALLLLLCSSV SETAADYENT WNFYYERPCC TGNDQGNNNY
51 GKHGADHVRE FNCGLY YRT FHMNEDRDTL YVGAMDRVFR VNLQNISSN
101 CNRDAINLED CKNHVRVIQS MDQGDRLYVC GTNAHNP KDY VIYANLTHLP
= =====

151 RSEYVIGVGL GIAKCPYDPL DNSTAIYVEN GNP GGLPGLY SGTNAEFTKA
201 DTVIFRTDLY NTSKRLEYK FKRTLKYDSK WLDKPNFVGS FDIGEYVYFF
251 FRETAVEYIN CGKAVYSRIA RVCKKDVG GK NLLAHNWATY LKARLNCSIS
301 GEFPFYFNEI QSVYQLPSDK SRFFATFTTS TNGLIGSAVC SFHINEIQAA
351 FNGKFKEQSS SNSAWLPVLN SRVPEPRPGT CVNDTSNL PD TVLNFIRSHP
401 LMDKAVNHEH NNPVYYKRD L VFTKLVDKI RIDILNQEYI VYYVGTNLGR
451 IYKIVQYYRN GESLSKLLDI FEVAPNEAIQ VMEISQTRKS LYIGTDHRIK
501 QIDLAMCNR R YDNCFR CVRD PYCGWDKEAN TCRPYELDLL QDVANETSDI
551 CDSSVLKKKI VVTYQSVHL GCFVKIPEVL KNEQVTWYHH SKDKGRYEIR
601 YSPTKYIETT ERGLVVSVN EADGGRYDCH LGGSL LLSYN ITVDAHRCTP
651 PNKSNDYQKI YSDWCHEFEK YKTAMKSWEK KQGQCSTRQN FSCNQHPNEI
701 FRKPNV

HITS AT: 130-137

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXLIT

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 120:155251

L3 ANSWER 12 OF 15 REGISTRY COPYRIGHT 1995 ACS
RN 153551-66-7 REGISTRY
CN Semaphorin I (Drosophila melanogaster C-terminal fragment reduced)
(9CI) (CA INDEX NAME)

OTHER NAMES:

CN Fasciclin I (Drosophila melanogaster C-terminal fragment reduced)
FS PROTEIN SEQUENCE
SQL 656

SEQ 1 EDDCQNYIRI MVVPSPGRLF VCGTNSFRPM CNTYIISDSN YTLEATKNGQ
=====

51	AVCPYDPRHN	STSVLADNEL	YSGTVADFSG	SDPIIYREPL	QTEQYDSL
101	NAPNFVSSFT	QGDFVYFFFR	ETAVEFINCG	KAIYSRVARV	CKWDKGGPHR
151	FRNRWTSFLK	SRLNCSIPGD	YPFYFNEIQS	ASNLVEGQYG	SMSSKLIYGV
201	FNTPSNSIPG	SAVCAFALQD	IADTFEGQFK	EQTGINSNWL	PVNNAKVPDP
251	RPGSCHNDSR	ALPDPTLNFI	KTHSLMDENV	PAFFSQPILV	RTSTIYRFTQ
301	IAVDAQIKTP	GGKTYDVIFV	GTDHGKIIKS	VNAESADSAD	KVTSVVEIEI
351	DVLTKSEPIR	NLEIVRTMQY	DQPKDGSYDD	GKLIIVTDSQ	VVAIQLHRCH
401	NDKITSCSEC	VALQDPYCAW	DKIAGKCRSH	GAPRWLEENY	FYQNVATGQH
451	AACPSGKINS	KDANAGEGKG	FRNDMDLLDS	RRQSKDQEII	DNIDKNFEGP
501	QTSADIINAQ	YTVETLVMAY	LAGSIFSLLV	GFFTGYFCGR	RCHKDEDDNL
551	PYPDTEYEYF	EQRQNVNSFP	SSCRIQQEPK	LLPQVEEVTY	AEPVLLPQPP
601	PPNKMHSKPN	TLRKPPMHQM	HQGNSETLF	QFHVTTATPS	SRIVVATTSE
651	HCVPTR				

HITS AT: 22-29

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXLIT

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 120:155251

L3 ANSWER 13 OF 15 REGISTRY COPYRIGHT 1995 ACS
RN 153551-65-6 REGISTRY
CN Semaphorin (Tribolium confusum precursor reduced) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Fasciclin (Tribolium confusum precursor reduced)
FS PROTEIN SEQUENCE
SQL 710

SEQ 1 MVVKILVWSI CLIALCHAWM PDSSSKLINH FKSVESKSFT GNATFPDHFI
51 VLNQDETSIL VGGRNRVYNL SIFDLSEKRG GRIDWPSSDA HGQLCILKGG
101 TDDDCQNYIR ILYSSEPGKL VICGTNSYKP LCRTYAFKEG KYLVEKEVEG
=====

151	IGLCPYNPEH	NSTSVSYNGQ	LFSATVADFS	GGDPLIYREP	QRTELSDLKQ
201	LNAPNFVNSV	AYGDYIFFFY	RETAVEYMNC	GKVIYSRVAR	VCKDDKGGPH
251	QSRDRWTSFL	KARLNCSIPG	EYPFYFDEIQ	STSDIVEGRY	NSDDSKIIYG
301	ILTTPVNAIG	GSAICAYQMA	DILRVFEGSF	KHGETINSNW	LPVPQNLVPE
351	PRPGQCVRDS	RILPDKNVNF	IKTHSLMEDV	PALFGKPVLV	RVSLQYRFTA
401	ITVDPQVKTI	NNQYLDVLYI	GTDDGKVLKA	VNIPKRHAKA	LLYRKYRTSV
451	HPHGAPVKQL	KIAPGYGKVV	VVGKDEIRLA	NLNHCASKTR	CKDCVELQDP
501	HCAWDAKQNL	CVSIDTVTSY	RFLIQDVVRG	DDNKCWSPQT	DKKTVIKNKP

551 SEVENEITNS IDEKLDSSDP LIKTGLDDDS DCDPVSENSI GGCAVRQQLV
601 IYTAGTLHIV VVVVSIVGLF SWLYSGLSVF AKFHSDSQYP EAPFIEQHNH
651 LERLSANQTG YLTPRANKAV NLVVKVSSST PRPKKDNLDV SKDLNIASDG
701 TLQIKIKKTYI

HITS AT: 123-130

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXLIT

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 120:155251

L3 ANSWER 14 OF 15 REGISTRY COPYRIGHT 1995 ACS

RN 151769-96-9 REGISTRY

CN Collapsin (chicken brain precursor reduced) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Collapsin (chick brain precursor)

FS PROTEIN SEQUENCE

SQL 772

SEQ 1 MGWLRGIALL SLGVLLAGRV NCQHVKNMNP RLKLSYKEML ESNIVNPNFNG
51 LANSSSYHTF LLDEERSRLY VGAKDHIFS NLVNIKEYQK IVWPVSHSRR
101 DECKWAGKDI LRECANFIKV LKTYNQTHLY ACGTGAFHPM CTYIEVGSHP

=====

151 EDNIFRMEDS HFENGRGKSP YDPKLLTASL LVDGELYSGT AADFMGRDFA
201 IFRTLGHHP IRTEQHDSRW LNDPRFISAH LIPESDNPED DKYIFFFREN
251 AIDGEHTGKA THARIGQICK NDFGGHRSV NKWTTFLKAR LICSVPGPNG
301 IDTHFDELQD VFLMNSKDPK NPIVYGVFTT SSNIFKGSV CMYSMTDVR
351 VFLGPYAHDR GPNYQWVPYQ GRVPYPRPGT CPSKTFGGFD STKDLPEVI
401 TFARSHPAMY NPVFPINSRP IMIKTDVDYQ FTQIVVDRVD AEDGQYDVMF
451 IGTDIGTVLK VVSIPKETWH ELEEVLLEEM TVFREPTVIS AMKISTKQQQ
501 LYIGSATGVS QLPLHRCVY GKACAECCLA RDPYCAWDGS SCSRYFPTAK
551 RRTRRQDIRN GDPLTHCSDL QHHDNPSGQT LEEKIIYGVE NSSTFLECSP
601 KSQRAIVYQ FQKQNDHVK EIKVDDRMIR TEQGLLLRSL QRRDSGIYFC
651 HAVEHGFQIT LLKVTLEVID TDHLEELLHK EEDADASKTK DATNSMTPSQ
701 KIWYRDFMQL INHPNLNTMD EFCEQVWKRD RKQRRQRPAN AQVNTNKWKH
751 LQENKKGRNR RTHEFERAPR SV

HITS AT: 132-139

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 120:25804

L3 ANSWER 15 OF 15 REGISTRY COPYRIGHT 1995 ACS

RN 149223-89-2 REGISTRY

CN Fasciclin IV (grasshopper embryo precursor reduced) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Fasciclin IV (grasshopper embryo gene Fas4)

CN Semaphorin I (grasshopper embryo gene Fas4)

FS PROTEIN SEQUENCE

SQL 730

SEQ 1 MRAALVAVAA LLWVALHAAA WVNDVSPKMY VQFGEERVQR FLGNESHKDH


```

51 FKLLEKDHNS LLVGARNIVY NISLRDLTEF TEQRIEWHSS GAHRELCYLK
101 GKSEDDCQNY IRVLAKIDDD RVLICGTNAY KPLCRHYALK DGDYVVEKEY
===== ==
151 EGRGLCPFDP DHNSTAIYSE GQLYSATVAD FSGTDPLIYR GPLRTERSDDL
201 KQLNAPNFVN TMEYNDFFIF FFRETAVEYI NCGKAIYSRV ARVCKHDKGG
251 PHQFGDRWTS FLKSRLNCSV PGDYPFYFNE IQSTSDIIEG NYGGQVEKLI
301 YGVFTTPVNS IGGSAVCAFS MKSILESFDG PFKEQETMNS NWLAVPSLKV
351 PEPRPGQCVN DSRTLDPVSV NFVKSHTLMD EAVPAFFTRP ILIRISLQYR
401 FTKIAVDQQV RTPDGKAYDV LFIGTDDGKV IKALNSASF D SSDTVDSVVI
451 EELQVLPPGV PVKNLYVVRM DGDDSKLVVV SDDEILAIKL HRCGSDKITN
501 CRECVSLQDP YCAWDNVELK CTAVGSPDWS AGKRRFIQNI SLGEHKACGG
551 RPQTEIVASP VPTQPTTKSS GDPVHSIHQA EFEPEIDNEI VIGVDDSNVI
601 PNTLAEINHA GSKLPSSQEK LPIYTAETLT IAIVTSC LGA LVVGFISGFL
651 FSRRCRGEDY TDMPPFDQRH QLNRLTEAGL NADSPYLPPC ANNKAAINLV
701 LNVPPKNANG KNANSSAENK PIQKVKKTYI

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HITS AT: 125-132

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, CAPREVIEWS, MEDLINE

1 REFERENCES IN FILE CAPREVIEWS

1 REFERENCES IN FILE CA (1967 TO DATE)

2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 119:91661

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FILE 'CAPLUS' ENTERED AT 12:34:44 ON 02 NOV 95

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L5 5 FILE CA

L6 3 FILE CAPREVIEWS

L7 8 FILE CAPLUS

L8 0 FILE CAOLD

TOTAL FOR ALL FILES

L9 16 L3

=> dup rem l9

DUPLICATE IS NOT AVAILABLE IN 'CAOLD'. ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

PROCESSING COMPLETED FOR L9

L10 8 DUP REM L9 (8 DUPLICATES REMOVED)

=> d 1-8 an .mh

L10 ANSWER 1 OF 8 CAPreviews COPYRIGHT 1995 ACS DUPLICATE 1
AN 95:262009 CAPreviews
TI semaphorin cDNA cloning and use in the diagnosis and treatment of
neurological disease and as viral pathogenesis inhibitor
SO PCT Int. Appl., 101 pp.
CODEN: PIXXD2
IN Goodman, Corey S.; Kolodkin, Alex L.; Matthes, David; Bentley, David
R.; O'Connor, Timothy
PI WO 9507706 A1 950323
AI WO 94-US10151 940913
PY 1995
AB A novel class of proteins, semaphorins, nucleic acids encoding
semaphorins, semaphorin peptides, and methods of using semaphorins
and semaphorin-encoding nucleic acids are disclosed. Semaphorin
peptides and receptor agonists and antagonists provide potent
modulators of nerve cell growth and regeneration. The invention
provides pharmaceutical compns., methods for screening chem.
libraries for regulators of cell growth/differentiation; semaphorin
gene-derived nucleic acids for use in genetic mapping, as probes for
related genes, and as diagnostic reagents for genetic neurol.
disease; specific cellular and animal systems for the development of
neurol. disease therapy.

L10 ANSWER 2 OF 8 CAPreviews COPYRIGHT 1995 ACS DUPLICATE 2
AN 95:394055 CAPreviews
TI A family of molecules related to collapsin in the embryonic chick
nervous system
SO Neuron (1995), 14(6), 1131-40
CODEN: NERNET; ISSN: 0896-6273
AU Luo, Yuling; Shepherd, Iain; Li, Jie; Renzi, Michael J.; Chang,
Susannah; Raper, Jonathan A.
PY 1995
AB Signaling mols. with either attractive or repulsive effects on
specific growth cones are likely to play a role in guiding axons to
their appropriate targets. A chick brain glycoprotein, collapsin,
has been shown to be a good candidate for a repulsive guidance cue.
We report here the discovery of four new mols. related to collapsin
in chick brains. All contain a semaphorin domain. One is
structurally very similar to collapsin but is only 50% identical in
its amino acid sequence. We have named it collapsin-2. The
collapsin-related genes exhibit distinct but overlapping patterns of
mRNA expression in the developing spinal cord and the developing
visual system. This family of collapsin-related mols. could
potentially act as repulsive cues toward specific neuronal
populations.

L10 ANSWER 3 OF 8 CAPreviews COPYRIGHT 1995 ACS DUPLICATE 3
AN 95:219099 CAPreviews
TI Alcelaphine herpesvirus type 1 has a semaphorin-like gene
SO J. Gen. Virol. (1995), 76(4), 1063-7
CODEN: JGVIAI; ISSN: 0022-1317
AU Ensser, Armin; Fleckenstein, Bernhard
PY 1995
AB Alcelaphine herpesvirus type 1, a rhadinovirus causing malignant
catarrhal fever of ruminants, has a 1959 nucleotide open reading
frame with significant homologies to semaphorin genes. While
truncated genes of similar structure have been found in poxviruses,
this is the first known example of a semaphorin-like gene in a
herpesvirus.

L10 ANSWER 4 OF 8 CA COPYRIGHT 1995 ACS DUPLICATE 4
AN 123:190149 CA
TI Semaphorin III can function as a selective chemorepellent to pattern
sensory projections in the spinal cord
SO Neuron (1995), 14(5), 949-59
CODEN: NERNET; ISSN: 0896-6273
AU Messersmith, Elizabeth K.; Leonardo, E. David; Shatz, Carla J.;
Tessier-Lavigne, Marc; Goodman, Corey S.; Kolodkin, Alex L.
PY 1995
AB Distinct classes of primary sensory neurons in dorsal root ganglia
subserve different sensory modalities, terminate in different
dorsoventral locations in the spinal cord, and display different
neurotrophin response profiles. Large diam. muscle afferents that
terminate in the ventral spinal cord are neurotrophin 3-responsive
responsive, whereas small diam. afferents subserving pain and temp.
are NGF responsive and terminate in the dorsal spinal cord.
Previous in vitro studies showed that the developing ventral spinal
cord secretes a diffusible factor that inhibits the growth of
sensory axons. Here the authors show that this factor repels
NGF-responsive axons but has little effect on neurotrophin
3-responsive axons. The authors also provide evidence implicating
semaphorin III/collapsin, a diffusible guidance mol. expressed by
ventral spinal cord cells, in mediating this effect. These results
suggest that semaphorin III functions to pattern sensory projections
by selectively repelling axons that normally terminate dorsally.

L10 ANSWER 5 OF 8 CA COPYRIGHT 1995 ACS DUPLICATE 5
AN 123:221278 CA
TI Murine semaphorin D/collapsin is a member of a diverse gene family
and creates domains inhibitory for axonal extension
SO Neuron (1995), 14(5), 941-8
CODEN: NERNET; ISSN: 0896-6273
AU Pueschel, Andreas W.; Adams, Ralf H.; Betz, Heinrich
PY 1995
AB Members of the collapsin/semaphorin gene family have been proposed
to act as growth cone guidance signals in vertebrates and
invertebrates. To identify candidate mols. involved in axonal
pathfinding during mouse embryogenesis, the authors isolated cDNAs
encoding five new members of the semaphorin family (Sem A-Sem E).
The murine semaphorin genes are differentially expressed in mesoderm
and neuroectoderm before and during the time when axons select their
pathways in the embryo. In explant cultures, recombinant Sem
D/collapsin converts a matrix permissive for axonal growth into one
that is inhibitory for neurites of peripheral ganglia. These data
demonstrate that semaphorins are a diverse family of mols. that may
provide local signals to specify territories non-accessible for
growing axons.

L10 ANSWER 6 OF 8 CA COPYRIGHT 1995 ACS DUPLICATE 6
AN 120:155251 CA
TI The semaphorin genes encode a family of transmembrane and secreted
growth cone guidance molecules
SO Cell (Cambridge, Mass.) (1993), 75(7), 1389-99
CODEN: CELLB5; ISSN: 0092-8674
AU Kolodkin, Alex L.; Matthes, David J.; Goodman, Corey S.
PY 1993
AB In addn. to its expression on subsets of axons, grasshopper
Semaphorin I (Sema I, previously called Fasciclin [Fas] IV) is
expressed on an epithelial stripe in the limb bud, where it
functions in the guidance of 2 sensory growth cones as they abruptly

turn upon encountering this sema I boundary. The authors report here on the cloning and characterization of two sema genes in *Drosophila*, one in human, and the identification of two related viral sequences, all of which encode proteins with conserved Semaphorin domains. *Drosophila* sema (D-Sema) I is a transmembrane protein, while D-Sema II and human Sema III are putative secreted proteins that are similar to the recently reported chick collapsin. D-Sema I and D-Sema II are expressed by subsets of neurons and muscles. Genetic anal. in *Drosophila* reveals that semaII is an essential gene that is required for both proper adult behavior and survival.

L10 ANSWER 7 OF 8 CA COPYRIGHT 1995 ACS DUPLICATE 7
AN 120:25804 CA

TI Collapsin: a protein in brain that induces the collapse and paralysis of neuronal growth cones

SO Cell (Cambridge, Mass.) (1993), 75(2), 217-27
CODEN: CELLB5; ISSN: 0092-8674

AU Luo, Yuling; Raible, David; Raper, Jonathan A.
PY 1993

AB Repulsive guidance cues can steer neuronal growth cones during development and prevent mature axons from regenerating. The authors have identified a 100 kd glycoprotein in the chick brain that is a good candidate for a repulsive cue. Since it induces the collapse and paralysis of neuronal growth cones in vitro, the authors have named it collapsin. It is effective at concns. of .apprx. 10 pM. The C-terminal half of collapsin contains a single Ig-like domain and an addnl. highly basic region. The N-terminal half of collapsin shares significant homol. with fasciclin IV, a growth cone guidance protein in grasshopper. Recombinant collapsin causes sensory ganglion growth cones to collapse but not retinal ganglion cell growth cones. The authors propose that collapsin could serve as a ligand that guides specific growth cones by a motility-inhibiting mechanism.

L10 ANSWER 8 OF 8 CA COPYRIGHT 1995 ACS DUPLICATE 8
AN 119:91661 CA

TI Fasciclin IV: sequence, expression, and function during growth cone guidance in the grasshopper embryo

SO Neuron (1992), 9(5), 831-45
CODEN: NERNET; ISSN: 0896-6273

AU Kolodkin, Alex L.; Matthes, David J.; O'Connor, Timothy P.; Patel, Nipam H.; Admon, Arie; Bentley, David; Goodman, Corey S.
PY 1992

AB Monoclonal antibody 6F8 was used to characterize and clone fasciclin IV, a new axonal glycoprotein in the grasshopper, and to study its function during growth cone guidance. Fasciclin IV is dynamically expressed on a subset of axon pathways in the developing central nervous system (CNS) and on circumferential bands of epithelial cells in developing limb buds. One of these bands corresponds to the location where the growth cones of the T11 pioneer neurons make a characteristic turn while extending toward the CNS. Embryos cultured in the 6F8 antibody or Fab exhibit aberrant formation of this axon pathway. The cDNA sequence anal. suggests that fasciclin IV has a signal sequence; long extracellular, transmembrane, and short cytoplasmic domains; and shows no homol. with any protein in the available data bases. Thus, fasciclin IV appears to be a novel integral membrane protein that functions in growth cone guidance.

=> fil reg

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STRUCTURE FILE UPDATES: 27 OCT 95 HIGHEST RN 169435-71-6
DICTIONARY FILE UPDATES: 1 Nov 95 HIGHEST RN 169435-71-6

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=> s g.[sc]pydp/sqsp
L11 5 G.[SC]PYDP/SQSP

=> d 1-5 sqide can;fil ca,caol,capre,caplus;s l11 not 19

L11 ANSWER 1 OF 5 REGISTRY COPYRIGHT 1995 ACS
RN 168458-97-7 REGISTRY
CN Semaphorin SemD (mouse) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Collapsin SemD (mouse)
FS PROTEIN SEQUENCE
SQL 772

SEQ 1 MGWFTGIACL FWGVLLTARA NYANGKNNVP RLKLSYKEML ESNNVITFNG
51 LANSSSYHTF LLDEERSRLY VGAKDHIFSF NLVNIKDFQK IVWPVSYTRR
101 DECKWAGKDI LKECANFIKV LEAYNQTHLY ACGTGAFHPI CTYIEVGHHP
151 EDNIFKLQDS HFENGRGKSP YDPKLLTASL LIDGELYSGT AADFMGRDFA
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201 IFRTLGDHHP IRTEQHDSRW LNDPRFISAH LIPESDNPED DKVYFFFREN
251 AIGGEHSGKA THARIGQICK NDFGGHRSRV NKWTTFLKAR LICSVPGPNG
301 IDTHFDELQD VFLMNSKDPK NPIVYGVFTT SSNIFKGSV CMYSMSDVRR
351 VFLGPYAHRD GPNYQWVPYQ GRVPYPRPGT CPSKTFGGFD STKDLRDDVI
401 TFGRSHPMY NPVFPINRNP IMIKTDVNYQ FTQIVVDRVD AEDGQYDVMF
451 IGTDVGTVLK VVSVPKETWH DLEEVLLLEEM TVFREPTTIS AMELSTKQQQ
501 LYIGSTAGVA QLPLHRCDIY GKACAECCLA RDPYCAWDGS SCSRYFPTAK
551 RRTRRQDIRN GDPLTHCSDL EDHDNHGSPS LEERIIYGVE NSSTFLECSP
601 KSQALVYWQ FQRRNRRSKR EIRMGDHIIR TEQGLLLRSL QKKDSGNYLC
651 HAVEHGFMQT LLKVTLEVID TEHLEELLHK DDDGDGSKIK EMSSSMTPSQ
701 KVWYRDFMQL INHPNLNTMD EFCEQVWKRK RKQRRQRPQH SQGSSNKWKH
751 MQESKKGRNR RTHEFERAPR SV

HITS AT: 167-173

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:221278

L11 ANSWER 2 OF 5 REGISTRY COPYRIGHT 1995 ACS
RN 167974-68-7 REGISTRY
CN Semaphorin III (mouse clone pMSemaIIIA fragment) (9CI) (CA INDEX
NAME)
OTHER NAMES:
CN Collapsin (mouse clone pMSemaIIIA fragment)
FS PROTEIN SEQUENCE

SQL 666

SEQ 1 GKDILKECAN FIKVLEAYNQ THLYACGTGA FHPICTYIEV GHHPEDNIFK
51 LQDSHFENGR GKSPYDPKLL TASLLIDGEL YSGTAANFMG RDFAIERTLG
=====

101 HHHPIRTEQH DSRWLNDPRF ISAHLIPESD NPEDDKVYFF FRENAIDGEH
151 SGKATHARIG QICKNDFGGH RSLVNKWTTF LKARLICSVP GPNGIDTHFD
201 ELQDVFLMNS KDPKNPIVYG VFTTSSNIFK GSAVCMYSMS DVRRVLLGPY
251 AHRDGPNYQW VPYQGRVPYP RPGTCPSKTF GGFDSTKDLP DDVITFARSH
301 PAMYNPVFPI NNRPIMIKTD VNYQFTQIVV DRVDAEDGQY DVMFIGTDVG
351 TVLKVVSVPK ETWHDLEEV LLEMTVFREP TTISAMELST KQQQLYIGST
401 AGVAQLPLHR CDIYGKACAE CCLARDPYCA WDGSSCSRYF PTAKRRTRRQ
451 DIRNGDPLTH CSDLQHHDNH HGPSLEERII YGVENSSTFL ECSPKSQRAL
501 VYWQFQRRNE DRKEEIKMGD HIIRTEQGLL LRSLOKKDSG NYLCHAVEHG
551 FMQTLKVT L EVIDTEHLEE LLHKDDDG DG SKIKEMSSSM TPSQKVWYRD
601 FMQLINHPNL NTMDEFCEQV WKRDQRRQ RPHSQGSSN KWKHMQESKK
651 GRNRRTHEFE RAPRSV

HITS AT: 61-67

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:190149

L11 ANSWER 3 OF 5 REGISTRY COPYRIGHT 1995 ACS
RN 167821-03-6 REGISTRY
CN Semaphorin III (human) (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 771

SEQ 1 MGWLTRIVCL FWGVLLTARA NYQNGKNNVP RLKLSYKEML ESNNVITFNG
51 LANSSSYHTF LLDEERSRLY VGAKDHIFSF DLVNIKDFQK IVWPVSYTRR
101 DECKWAGKDI LKECANFIKV LKAYNQTHLY ACGTGAFHPI CTYIEIGHHP
151 EDNIFKLENS HFENGRGKSP YDPKLLTASL LIDGELYSGT AADFMGRDFA
=====

201 IFRTLGHHP IRTEQHDSRW LNDPKFISAH LISESDNPED DKVYFFFREN
251 AIDGEHSGKA THARIGQICK NDFGGHRS LV NKWTTFLKAR LICSVPGPNG
301 IDTHFDELQD VFLMNFKDPK NPVVYGVFTT SSNIFKGS AV CMYSMSDVRR
351 VFLGPYAHRD GPNYQWVPYQ GRVPYPRPGT CPSKTFGGFD STKDLPDDVI
401 TFARSHPAMY NPVFPMNNRP IVIKTDVNYQ FTQIVVDRVD AEDGQYDVMF
451 IGTDVGTVLK VVSIPKETWY DLEEV LLEEM TVFREPTAIS AMELSTKQQQ
501 LYIGSTAGVA QLPLHRCDIY GKACAECCLA RDPYCAWDGS ACSRYFPTAK
551 RRTRRQDIRN GDPLTHCSDL HHDNHHGHSP EERIIYGVEN SSTFLECSPK
601 SQRALVYWQF QRRNEERKEE IRVDDHIIRT DQGLLLRSLQ QKDSGNYLCH
651 AVEHGF IQTL LKVTLEVIDT EHLEELLHKD DDGDGSKTKE MSNSMTPSQK
701 VWYRDFMQLI NHPNLNTMDE FCEQVWKRDR KQRRQRPGHT PGNSNKWKHL
751 QENKKGRNRR THEFERAPRS V

HITS AT: 167-173

MF Unspecified

CI MAN

SR CA

LC STN Files: CAPLUS, CAPREVIEWS

1 REFERENCES IN FILE CAPREVIEWS

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L11 ANSWER 4 OF 5 REGISTRY COPYRIGHT 1995 ACS
RN 153551-68-9 REGISTRY

CN Semaphorin III (human precursor reduced) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Fasciclin III (human precursor reduced)
FS PROTEIN SEQUENCE
SQL 575

SEQ 1 MGWLTRIVCL FWGVLLTARA NYQNGKNNVP RLKLSYKEML ESNNVITFNG
51 LANSSSYHTF LLDEERSRLY VGAKDHIFS DLVNIKDFQK IVWPVSYTRR
101 DECKWAGKDI LKECANFIKV LKAYNQTHLY ACGTGAFHPI CTYIEIGHHP
151 EDNIFKLENS HFENGRGKSP YDPKLLTASL LIDGELYSGT AADFMGRDFA
=====
201 IFRTLGHHP IRTEQHDSRW LNDPKFISAH LISESDNPED DKVYFFFREN
251 AIDGEHSGKA THARIGQICK NDFGGHRSVL NKWTTFLKAR LICSVPGPNG
301 IDTHFDELQD VFLMNFKDPK NPVVYGVFTT SSNIFKGS AV CMYSMSDVRR
351 VFLGPYAH RD GPNYQWVPYQ GRVPYPRPGT CPSKTFGGFD STKDL PDDVI
401 TFARSH PAMY NPVFP MNNRP IVIKTDVNYQ FTQIVVDRVD AEDGQYDVMF
451 IGT DVGTVLK VVSIPKETWY DLEEV LLEEM TVFREPTAIS AMELSTKQQQ
501 LYIGSTAGVA QLPLHRCDIY GKACAECCLA RDPYCAWDGS ACSRYFPTAK
551 RRTRRQDIRN GDPLTHCSDL HHDNH

HITS AT: 167-173

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXLIT

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 120:155251

L11 ANSWER 5 OF 5 REGISTRY COPYRIGHT 1995 ACS

RN 151769-96-9 REGISTRY

CN Collapsin (chicken brain precursor reduced) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Collapsin (chick brain precursor)

FS PROTEIN SEQUENCE

SQL 772

SEQ 1 MGWL RGIALL SLGVLLAGRV NCQHV KNNVP RLKLSYKEML ESNNIVNFNG
51 LANSSSYHTF LLDEERSRLY VGAKDHIFS NLVNIKEYQK IVWPVSHSRR
101 DECKWAGKDI LRECANFIKV LKTYNQTHLY ACGTGAFHPM CTYIEVGSHP
151 EDNIFRMEDS HFENGRGKSP YDPKLLTASL LVDGELYSGT AADFMGRDFA
=====
201 IFRTLGHHP IRTEQHDSRW LNDPRFISAH LIPESDNPED DKYIYFFFREN
251 AIDGEHTGKA THARIGQICK NDFGGHRSVL NKWTTFLKAR LICSVPGPNG
301 IDTHFDELQD VFLMNSKDPK NPVIVGVFTT SSNIFKGS AV CMYSMTDVRR
351 VFLGPYAH RD GPNYQWVPYQ GRVPYPRPGT CPSKTFGGFD STKDL PDEVI
401 TFARSH PAMY NPVFP INSRP IMIKTDVDYQ FTQIVVDRVD AEDGQYDVMF
451 IGT DIGTVLK VVSIPKETWH ELEEV LLEEM TVFREPTVIS AMKISTKQQQ
501 LYIGSATGVS QLPLHRCDVY GKACAECCLA RDPYCAWDGS SCSRYFPTAK
551 RRTRRQDIRN GDPLTHCSDL QHHDNP SGQT LEEKI IYGVE NSSTFLECSP
601 KSQRAIVYWQ FQKQND DHKV EIKVDDRMIR TEQGLLLRSL QRRDSGIYFC
651 HAVEHGFIQT LLKVTLEVID TDHLEELLHK EEDADASKTK DATNSMTPSQ
701 KIWYRDFMQL INHPNLNTMD EFCEQVWKRD RKQRRQRPAN AQVNTNKWKH
751 LQENKKGRNR RTHEFERAPR SV

HITS AT: 167-173

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 120:25804

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L12 0 FILE CA
L13 0 FILE CAOLD
L14 0 FILE CAPREVIEWS
L15 0 FILE CAPLUS

TOTAL FOR ALL FILES

L16 0 L11 NOT L9

=> fil reg

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STRUCTURE FILE UPDATES: 27 OCT 95 HIGHEST RN 169435-71-6
DICTIONARY FILE UPDATES: 1 Nov 95 HIGHEST RN 169435-71-6

TSCA INFORMATION NOW CURRENT THROUGH JUNE 1995

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

=> s lysgt[vna]a/sqsp

L17 9 LYSGT[VNA]A/SQSP

=> d 1-9 sqide can;fil ca,caol,capre,caplu;s l17 not (l11 or l9)

L17 ANSWER 1 OF 9 REGISTRY COPYRIGHT 1995 ACS
RN 168458-97-7 REGISTRY
CN Semaphorin SemD (mouse) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Collapsin SemD (mouse)
FS PROTEIN SEQUENCE
SQL 772

SEQ 1 MGWFTGIACL FWGVLLTARA NYANGKNNVP RLKLSYKEML ESNNVITFNG
51 LANSSSYHTF LLDEERSRLY VGAKDHIFS NLVNIKDFQK IVWPVSYTRR
101 DECKWAGKDI LKECANFIKV LEAYNQTHLY ACGTGAFHPI CTYIEVGHP


```

151 EDNIFKLQDS HFENGRGKSP YDPKLLTASL LIDGELYSGT AADFMGRDFA
=====
201 IFRTLGDHHP IRTEQHDSRW LNDPRFISAH LIPESDNPED DKVYFFFREN
251 AIGGEHSGKA THARIGQICK NDFGGHRSVL NKWTTFLKAR LICSVPGPNG
301 IDTHFDELQD VFLMNSKDPK NPIVYGVFTT SSNIFKGS AV CMYSMSDVRR
351 VFLGPYAH RD GPNYQWVPYQ GRVPYPRPGT CPSKTFGGFD STKDLRDDVI
401 TFGRSH PAMY NPVFPINNR IMIKTDVNYQ FTQIVVDRVD AEDGQYDVMF
451 IGTDVGTVLK VVSVPKETWH DLEEVLL EEM TVFREPTTIS AMELSTKQQQ
501 LYIGSTAGVA QLPLHRCDIY GKACAECCLA RDPYCAWDGS SCSRYFPTAK
551 RRTRRQDIRN GDPLTHCSDL EDHDNHHGPS LEERIIYGVE NSSTFLECS
601 KSQRALVYWQ FQRRNRRSKR EIRMGDHIIR TEQGLLLRSL QKKDSGNYLC
651 HAVEHGMQ T LLKVTLEVID TEHLEELLHK DDDGDGSKIK EMSSSMTPSQ
701 KVWYRDFMQL INHPNLNTMD EFCEQVWKRD RKQRRQRP GH SQGSSNKWKH
751 MQESKKGRNR RTHEFERAPR SV

```

HITS AT: 186-192

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:221278

L17 ANSWER 2 OF 9 REGISTRY COPYRIGHT 1995 ACS

RN 167974-68-7 REGISTRY

CN Semaphorin III (mouse clone pMSemaIIIA fragment) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Collapsin (mouse clone pMSemaIIIA fragment)

FS PROTEIN SEQUENCE

SQL 666

```

SEQ      1 GKDILKECAN FIKVLEAYNQ THLYACGTGA FHPICTYIEV GHHPEDNIFK
51 LQDSHFENGR GKSPYDPKLL TASLLIDGEL YSGTAANFMG RDFAIFRTL
=====
101 HHHPIRTEQH DSRWLNDPRF ISAH LIPESD NPEDDKVYFF FRENAIDGEH
151 SGKATHARIG QICKNDFGGH RSLVNKWTTF LKARLICSVP GPNGIDTHFD
201 ELQDVFLMNS KDPKNPIVYG VFTTSSNIFK GSAVCMYSMS DVRRVLLGPY
251 AHRDGPYQW VPYQGRVPYP RPGTCPSKTF GGFDSTKDLP DDVITFARSH
301 PAMYNPVFPI NNRPIMIKTD VNYQFTQIV DRVDAEDGQY DVMFIGTDVG
351 TVLKVVSVPK ETWHDLEEV L EEMTVFREPTTISAMELST KQQQLYIGST
401 AGVAQLPLHR CDIYGKACAE CCLARDPYCA WDGSSCSRYF PTAKRRTRRQ
451 DIRNGDPLTH CSDLQHHDNH HGPSLEERII YGVENSSTFL ECSPKSQRAL
501 VYWQFQRRNE DRKEEIKMGD HIIRTEQGLL LRSLQKKDSG NYLCHAVEHG
551 FMQTLLKVT L EVIDTEHLEE LLHKDDDDGDG SKIKEMSSSM TPSQKVWYRD
601 FMQLINHPNL NTMDEFCEQV WKDRDRKQRRQ RPHGSQGSSN KWKHMQESKK
651 GRNRRTHEFE RAPRSV

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HITS AT: 80-86

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:190149

L17 ANSWER 3 OF 9 REGISTRY COPYRIGHT 1995 ACS

RN 167821-11-6 REGISTRY

CN Semaphorin II (Drosophila melanogaster) (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 724

SEQ 1 MSLQLSPLL ALLLLLCSSV SETAADYENT WNFYERPC TGNQGNNNY
51 GKHGADHVRE FNCGLYYRT FHMNEDRDTL YVGAMDRVFR VNLQNISSN
101 CNRDAINLEP TRDDVVSCVS KGKSQIFDCK NHVRVIQSM QGDRLYVCGT
151 NAHNP KDYVI YANLTHLPRS EYVIGVGLGI AKCPYDPLDN STAIYVENGN
201 PGGLPGLYS TNAEFTKADT VIFRTDLYNT SAKRLEYKFK RTLKYDSKWL
==== ===
251 DKPNFVGSFD IGEYVYFFFR ETAVEYINCG KAVYSRIARV CKKDVGGKNL
301 LAHNWATYLK ARLNCSISGE FPFYFNEIQS VYQLPSDKSR FFATFTTSTN
351 GLIGSAVCSF HINEIQAAFN GKFKEQSSSN SAWLPVLNSR VPEPRPGTCV
401 NDTSNLPDTV LNFIRSHPLM DKAHNHEHNN PVYKRDVLF TKLVVDKIRI
451 DILNQEYIVY YVGTNLGRIY KIVQYRNGE SLSKLLDIFE VAPNEAIQVM
501 EISQTRKSLY IGTDHRIKQI DLAMCNRRYD NCFRCVRDPY CGWDKEANTC
551 RPYELDLLQD VANETSDICD SSVLKKKIVV TYGQSVHLGC FVKIPEVLKN
601 EQVTWYHHSK DKGRYEIRYS PTKYIETTER GLVVSVNEA DGGRYDCHLG
651 GSLLCSYNIT VDAHRCTPPN KSNDYQKIYS DWCHEFEKYK TAMKSWEKKQ
701 GQCSTRQNFS CNQHPNEIFR KPNV

HITS AT: 207-213

MF Unspecified

CI MAN

SR CA

LC STN Files: CAPLUS, CAPREVIEWS

1 REFERENCES IN FILE CAPREVIEWS

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L17 ANSWER 4 OF 9 REGISTRY COPYRIGHT 1995 ACS

RN 167821-09-2 REGISTRY

CN Semaphorin I (Drosophila melanogaster C-terminal fragment) (9CI)
(CA INDEX NAME)

FS PROTEIN SEQUENCE

SQL 650

SEQ 1 EDDCQNYIRI MVVPSPGRLF VCGTNSFRPM CNTYIISDSN YTLKATKNGQ
51 AVCPYDPRHN STSVLADNEL YSGTVADFSG SDPIIYREPL QTEQYDSL
= =====
101 NAPNFVSSFT QGDFVYFFFR ETAVEFINCG KAIYSRVARV CKWDKGGPHR
151 FRNRWTSFLK SRLNCSIPGD YPFYFNEIQS ASNLVEGQYG SMSSKLIYGV
201 FNTPSNSIPG SAVCAFALQD IADTFEGQFK EQTGINSNLV PVNNAKVPDP
251 RPGSCHNDSR ALPDPTLNFI KTHSLMDENV PAFFSQPILV RTSTIYRFTQ
301 IAVDAQIKTP GGKTYDVIFV GTDHGKIIKS VNAESADSAD KVTSVVIEEI
351 DVLTKSEPIR NLEIVRTMQY DQPKDGSYDD GKLIIVTDSQ VVAIQLHRCH
401 NDKITSCSEC VALQDPYCAW DKIA GKCRSH GAPRWLEENY FYQNVATGQH
451 AACPSGKINS KDANAGEQKG FRNDMDLLDS RRQSKDQEII DNIDKNFEDI
501 INAQYTVETL VMAVLGSIF SLLVGFFTGY FCGRRCHKDE DDNLPPPDTE
551 YEYFEQRQNV NSFPSSCRIQ QEPKLLPQVE EVTYADAVLL PQPPPPNKM
601 SPKNTLRKPP MHQMHQGPNS ETLFQFHVTA TTPSSRIVVA TTSEHCVPTR

HITS AT: 70-76

MF Unspecified

CI MAN

SR CA

LC STN Files: CAPLUS, CAPREVIEWS

1 REFERENCES IN FILE CAPREVIEWS

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L17 ANSWER 5 OF 9 REGISTRY COPYRIGHT 1995 ACS

RN 167821-03-6 REGISTRY

CN Semaphorin III (human) (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE
SQL 771

SEQ 1 MGWLTRIVCL FWGVLLTARA NYQNGKNNVP RLKLSYKEML ESNNVITFNG
51 LANSSSYHTF LLDEERSRLY VGAKDHIFS DLVNIKDFQK IVWPVSYTRR
101 DECKWAGKDI LKECANFIKV LKAYNQTHLY ACGTGAFHPI CTYIEIGHHP
151 EDNIFKLENS HFENGRGKSP YDPKLLTASL LIDGELYSGT AADFMGRDFA
===== ==
201 IFRTLGHHP IRTEQHDSRW LNDPKFISAH LisesDNPED DKVYFFFREN
251 AIDGEHSGKA THARIGQICK NDFGGHRS LV NKWTTFLKAR LICSVPGPNG
301 IDTHFDELQD VFLMNFKDPK NPVVYGVFTT SSNIFKGS AV CMYSMSDVRR
351 VFLGPYAH RD GPNYQWVPYQ GRVPYPRPGT CPSKTFGGFD STKDL PDDVI
401 TFARSH PAMY NPVFPMNNRP IVIKTDVNYQ FTQIVVDRVD AEDGQYDVMF
451 IGT DVGTVLK VVSIPKETWY DLEEV LLEEM TVFREPTAIS AMELSTKQQQ
501 LYIGSTAGVA QLPLHRCDIY GKACAECCLA RDPYCAWDGS ACSRYFPTAK
551 RRTRRQDIRN GDPLTHCSDL HHDNHGHSP EERIIYGVEN SSTFLECS PK
601 SQRALVYWQF QRRNEERKEE IRVDDHIIRT DQGLLLRS LQ QKDSGNYLCH
651 AVEHGF IQTL LKVTLEVIDT EHLEELLHKD DDGDGSKTKE MSNSMTPSQK
701 VWYRDFMQ LI NHPNLNTMDE FCEQVWKRDR KQRRQRP GHT PGNSNKWKHL
751 QENKKGRNRR THEFERAPRS V

HITS AT: 186-192

MF Unspecified

CI MAN

SR CA

LC STN Files: CAPLUS, CAPREVIEWS

1 REFERENCES IN FILE CAPREVIEWS

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L17 ANSWER 6 OF 9 REGISTRY COPYRIGHT 1995 ACS

RN 153551-68-9 REGISTRY

CN Semaphorin III (human precursor reduced) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Fasciclin III (human precursor reduced)

FS PROTEIN SEQUENCE

SQL 575

SEQ 1 MGWLTRIVCL FWGVLLTARA NYQNGKNNVP RLKLSYKEML ESNNVITFNG
51 LANSSSYHTF LLDEERSRLY VGAKDHIFS DLVNIKDFQK IVWPVSYTRR
101 DECKWAGKDI LKECANFIKV LKAYNQTHLY ACGTGAFHPI CTYIEIGHHP
151 EDNIFKLENS HFENGRGKSP YDPKLLTASL LIDGELYSGT AADFMGRDFA
===== ==
201 IFRTLGHHP IRTEQHDSRW LNDPKFISAH LisesDNPED DKVYFFFREN
251 AIDGEHSGKA THARIGQICK NDFGGHRS LV NKWTTFLKAR LICSVPGPNG
301 IDTHFDELQD VFLMNFKDPK NPVVYGVFTT SSNIFKGS AV CMYSMSDVRR
351 VFLGPYAH RD GPNYQWVPYQ GRVPYPRPGT CPSKTFGGFD STKDL PDDVI
401 TFARSH PAMY NPVFPMNNRP IVIKTDVNYQ FTQIVVDRVD AEDGQYDVMF
451 IGT DVGTVLK VVSIPKETWY DLEEV LLEEM TVFREPTAIS AMELSTKQQQ
501 LYIGSTAGVA QLPLHRCDIY GKACAECCLA RDPYCAWDGS ACSRYFPTAK
551 RRTRRQDIRN GDPLTHCSDL HHDNH

HITS AT: 186-192

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXLIT

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 120:155251

L17 ANSWER 7 OF 9 REGISTRY COPYRIGHT 1995 ACS

RN 153551-67-8 REGISTRY
CN Semaphorin II (Drosophila melanogaster precursor reduced) (9CI) (CA
INDEX NAME)
OTHER NAMES:
CN Fasciclin II (Drosophila melanogaster precursor reduced)
FS PROTEIN SEQUENCE
SQL 706

```
SEQ      1 MSLQLSPLL ALLLLLCSSV SETAADYENT WNFYYERPCC TGNDQGNNNY
      51 GKHGADHVR FNCGLYYRT FHMNEDRDTL YVGAMDRVFR VNLQNISSSN
     101 CNRDAINLED CKNHVRVIQS MDQGDRLYVC GTNAHNP KDY VIYANLTHLP
     151 RSEYVIGVGL GIAKCPYDPL DNSTAIYVEN GNPGLPLGLY SGTNAEFTKA
                                     == =====
     201 DTVIFRTDLY NTSKRLEYK FKRTLKYDSK WLDKPNFVGS FDIGEYVYFF
     251 FRETAVEYIN CGKAVYSRIA RVCKKDVGGK NLLAHNWATY LKARLNCSIS
     301 GEFPPYFNEI QSVYQLPSDK SRFFATFTTS TNGLIGSAVC SFHINEIQAA
     351 FNGKFKEQSS SNSAWLPVLN SRVPEPRPGT CVNDTSNLPD TVLNFIRSHP
     401 LMDKAVNHEH NNPVYYKRD L VFTKLVDKI RIDILNQEI VYYVGTNLGR
     451 IYKIVQYYRN GESLSKLLDI FEVAPNEAIQ VMEISQTRKS LYIGTDHRIK
     501 QIDLAMCNR YDNCFRVCRD PYCGWDKEAN TCRPYELDLL QDVANETSDI
     551 CDSSVLKKKI VVTYQSVHL GCFVKIPEVL KNEQVTWYHH SKDKGRYEIR
     601 YSPTKYIETT ERGLVVSVN EADGGRYDCH LGGSLLC SYN ITVDAHRCTP
     651 PNKSNDYQKI YSDWCHEFEK YKTAMKSWEK KQGQCSTRQN FSCNQHPNEI
     701 FRKPNV
```

HITS AT: 189-195

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXLIT

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 120:155251

L17 ANSWER 8 OF 9 REGISTRY COPYRIGHT 1995 ACS

RN 153551-66-7 REGISTRY

CN Semaphorin I (Drosophila melanogaster C-terminal fragment reduced)
(9CI) (CA INDEX NAME)

OTHER NAMES:

CN Fasciclin I (Drosophila melanogaster C-terminal fragment reduced)

FS PROTEIN SEQUENCE

SQL 656

```
SEQ      1 EDDCQNYIRI MVVPSPGR LF VCGTNSFRPM CNTYIISDSN YTLEATKNGQ
      51 AVCPYDPRHN STSVLADNEL YSGTVADFSG SDPIIYREPL QTEQYDSL SL
                                     = =====
     101 NAPNFVSSFT QGDFVYFFFR ETAVEFINCG KAIYSRVARV CKWDKGGPHR
     151 FRNRWTSFLK SRLNCSIPGD YPFYFNEIQS ASNLVEGQYG SMSSKLIYGV
     201 FNTPSNSIPG SAVCAFALQD IADTFEGQFK EQTGINSNWL PVNNAKVPDP
     251 RPGSCHNDSR ALPDPTLNFI KTHSLMDENV PAFFSQPILV RTSTIYRFTQ
     301 IAVDAQIKTP GSKTYDVIFV GTDHGKIIKS VNAESADSAD KVTSVVIEEI
     351 DVLTKSEPIR NLEIVRTMQY DQPKDGSYDD GKLIIVTDSQ VVAIQLHRCH
     401 NDKITSCSEC VALQDPYCAW DKIAGKCRSH GAPRWLEENY FYQNVATGQH
     451 AACPSGKINS K DANAGEGKG FRNDMDLLDS RRQSKDQEII DNIDKNFEGP
     501 QTSADIINAQ YTVETLVMAV LAGSIFSLLV GFFTGYFCGR RCHKDEDDNL
     551 PYPDTEYEYF EQRQNVNSFP SSCRIQQEPK LLPQVEEV TY AEPVLLPQPP
     601 PPNKMHSPKN TLRKPPMHQM HQGPNSETLF QFHVTATTPS SRIVVATTSE
     651 HCVPTR
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HITS AT: 70-76

MF Unspecified

CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXLIT
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 120:155251

L17 ANSWER 9 OF 9 REGISTRY COPYRIGHT 1995 ACS
RN 151769-96-9 REGISTRY
CN Collapsin (chicken brain precursor reduced) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Collapsin (chick brain precursor)
FS PROTEIN SEQUENCE
SQL 772

SEQ 1 MGWLRGIALL SLGVLLAGRV NCQHVKNVNP RLKLSYKEML ESNNIVNFNG
51 LANSSSYHTF LLDEERSRLY VGAKDHIFSF NLVNIKEYQK IVWPVSHSRR
101 DECKWAGKDI LRECANFIKV LKTYNQTHLY ACGTGAFHPM CTYIEVGSHS
151 EDNIFRMEDS HFENGRGKSP YDPKLLTASL LVDGELYSGT AADFMGRDFA
===== ==
201 IFRTLGHHP IRTEQHDSRW LNDPRFISAH LIPESDNPED DKYIFFFREN
251 AIDGEHTGKA THARIGQICK NDFGGHRSVL NKWTTFLKAR LICSVPGPNG
301 IDTHFDELQD VFLMNSKDPK NPVYGVFTT SSNIFKGSV CMYSMTDVR
351 VFLGPYHRD GPVYQWVPYQ GRVPYPRPGT CPSKTFGGFD STKDLPEVI
401 TFARSHPAMY NPVFPINSRP IMIKTDVDYQ FTQIVVDRVD AEDGQYDVMF
451 IGTDIGTVLK VVSIPKETWH ELEEVLLEEM TVFREPTVIS AMKISTKQQQ
501 LYIGSATGVS QLPLHRCVY GKACAECCLA RDPYCAWDGS SCSRYFPTAK
551 RRTRRQDIRN GDPLTHCSDL QHHDNPSGQT LEEKIYGV NSSTFLECS
601 KSQRAIVYQ FQKQNDHKV EIKVDDRMIR TEQGLLLRSL QRRDSGIYFC
651 HAVEHGFIQT LLKVTLEVID TDHLEELLHK EEDADASKTK DATNSMTPSQ
701 KIWRDFMQL INHPNLNTMD EFCEQVWKR RKQRRQRPAN AQVNTNKWKH
751 LQENKKGRNR RTHEFERAPR SV

HITS AT: 186-192

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 120:25804

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L18 0 FILE CA
L19 0 FILE CAOLD
L20 0 FILE CAPREVIEWS
L21 0 FILE CAPLUS

TOTAL FOR ALL FILES

L22 0 L17 NOT (L11 OR L9)

=> fil reg

FILE 'REGISTRY' ENTERED AT 12:36:58 ON 02 NOV 95
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DICTIONARY FILE UPDATES: 1 Nov 95 HIGHEST RN 169435-71-6

TSCA INFORMATION NOW CURRENT THROUGH JUNE 1995

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

=> s lnapnfv/sqsp

L23 6 LNAPNFV/SQSP

=> s lnapnfv/sqep

0 LNAPNFV/SQEP

15215 SQL=7

L24 0 LNAPNFV/SQEP

(LNAPNFV/SQEP AND SQL=7)

=> d 1-6 l23 sqide can;fil ca,caol,capre,caplus;s l23 not (l11 or l9 or l17)

L23 ANSWER 1 OF 6 REGISTRY COPYRIGHT 1995 ACS

RN 167941-10-8 REGISTRY

CN Semaphorin I (Tribolium embryo) (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE

SQL 712

SEQ 1 MVVKILVWSI CLIALCHAWM PDSSSKLINH FKSVESKSFT GNATFPDHFI
51 VLNQDETSIL VGGRNRVYNL SIFDLSEKRG GRIDWPSSDA HGQLCILKGK
101 TDDDCQNYIR ILYSSEPGKL VICGTNSYKP LCRTYAFKEG KYLVEKEVEG
151 IGLCPYNPEH NSTSVSYNGQ LFSATVADFS GGDPLIYREP QRTLSDLKQ
201 LNAPNFVNSV AYGDYIFFFY RETAVEYMNC GKVIYSRVAR VCKDDKGGPH
=====
251 QSRDRWTSFL KARLNCSIPG EYPFYFDEIQ STSDIVEGRY NSDDSKKIIY
301 GILTTPVNAI GGSAICAYQM ADILRVFEGS FKHQETINSN WLPVPQNLVP
351 EPRPGQCVRD SRILPDKNVN FIKTHSLMED VPALFGKPVL VRVSLQYRFT
401 AITVDPQVKT INNQYLDVLY IGTDDGKVLK AVNIPKRHAK ALLYRKYRTS
451 VHPHGAPVKQ LKIAPGYGKV VVGKDEIRL ANLNHCASKT RCKDCVELQD
501 PHCAWDKQON LCVSIDTVTS YRFLIQDVVR GDDNKCWSPQ TDKKTVIKNK
551 PSEVENEITN SIDEKDLDS DPLIKTGLDD DSDCDPVSEN SIGGCAVRQQ
601 LVIYTAGTLH IVVVVVSIVG LFSWLYSGLS VFAKFHSDSQ YPEAPFIEQH
651 NHLERLSANQ TGYLTFRANK AVNLVVKVSS STPRPKKDNL DVSKDLNIAS
701 DGTLOKIKKT YI

HITS AT: 201-207

MF Unspecified

CI MAN

SR CA

LC STN Files: CAPLUS, CAPREVIEWS
1 REFERENCES IN FILE CAPREVIEWS
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L23 ANSWER 2 OF 6 REGISTRY COPYRIGHT 1995 ACS
RN 167821-09-2 REGISTRY
CN Semaphorin I (Drosophila melanogaster C-terminal fragment) (9CI)
(CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 650

SEQ 1 EDDCQNYIRI MVVPSPGRLF VCGTNSFRPM CNTYIISDSN YTLEATKNGQ
51 AVCPYDPRHN STSVLADNEL YSGTVADFSG SDPIIYREPL QTEQYDSL SL
=

101 NAPNFVSSFT QGDFVYFFFR ETAVEFINCG KAIYSRVARV CKWDKGGPHR
=====

151 FRNRWTSFLK SRLNCSIPGD YPFYFNEIQS ASNLVEGQYG SMSSKLIYGV
201 FNTPSNSIPG SAVCAFALQD IADTFEGQFK EQTGINSNLV PVNNAKVPDP
251 RPGSCHNDSR ALPDPTLNFI KTHSLMDENV PAFFSQPILV RTSTIYRFTQ
301 IAVDAQIKTP GGKTYDVIFV GTDHGKIIKS VNAESADSAD KVTSVVIEEI
351 DVLTKSEPIR NLEIVRTMQY DQPKDGSYDD GKLIIVTDSQ VVAIQLHRCH
401 NDKITSCSEC VALQDPYCAW DKIA GKCRSH GAPRWLEENY FYQNVATGQH
451 AACPSGKINS KDANAGEQKG FRNDMDLLDS RRQSKDQEII DNIDKNFEDI
501 INAQYTVETL VMAVLASGIF SLLVGFFTGY FCGRRCHKDE DDNLPPPDTE
551 YEYFEQRQNV NSFPPSSCRIQ QEPKLLPQVE EVTYADAVLL PQPPPPNKM
601 SPKNTLRKPP MHQMHQGPNS ETLFQFHVTA TTPSSRIVVA TTSEHCVPTR

HITS AT: 100-106

MF Unspecified

CI MAN

SR CA

LC STN Files: CAPLUS, CAPREVIEWS
1 REFERENCES IN FILE CAPREVIEWS
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L23 ANSWER 3 OF 6 REGISTRY COPYRIGHT 1995 ACS
RN 167821-07-0 REGISTRY
CN Semaphorin I (grasshopper) (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 730

SEQ 1 MRAALVAVAA LLWVALHAAA WVNDVSPKMY VQFGEERVQR FLGNESHKDH
51 FKLLEKDHNS LLVGARNIVY NISLRDLTEF TEQRIEWHSS GAHRELCYLK
101 GKSEDDCQNY IRVLAKIDDD RVLICGTNAY KPLCRHYALK DGDYVVEKEY
151 EGRGLCPFDP DHNSTAIYSE GQLYSATVAD FSGTDPLIYR GPLRTERS
201 KQLNAPNFVN TMEYNDFIFF FFRETAVEYI NCGKAIYSRV ARVCKHDKGG
=====

251 PHQGGDRWTS FLKSRLNCSV PGDYPFYFNE IQSTSDIIEG NYGGQVEKLI
301 YGVFTTPVNS IGGSAVCAFS MKSILESFDG PFKEQETMNS NWLAVPSLKV
351 PEPRPGQCVN DSRTLDPVSV NFVKSHTLMD EAVPAFFTRP ILIRISLQYR
401 FTKIAVDQQV RTPDGKAYDV LFIGTDDGKV IKALNSASFD SSDTVDSVVI
451 EELQVLPPGV PVKNLYVVRM DGDDSKLVVV SDDEILAIKL HRCGSDKITN
501 CRECVSLQDP YCAWDNVELK CTAVGSPDWS AGKRRFIQNI SLGEHKACGG
551 RPQTEIVASP VPTQPTTKSS GDPVHSIHQA EFEPEIDNEI VIGVDDSNVI
601 PNTLAEINHA GSKLPSSQEK LPIYTAETLT IAIVTSCLGA LVVGFISGFL
651 FSRRCRGEDY TDMPPDPQRH QLNRLTEAGL NADSPYLPPC ANNKAAINLV
701 LNVPPKNANG KNANSSAENK PIQKVKKTYI

HITS AT: 203-209

MF Unspecified

CI MAN

SR CA

LC STN Files: CAPLUS, CAPREVIEWS
1 REFERENCES IN FILE CAPREVIEWS
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L23 ANSWER 4 OF 6 REGISTRY COPYRIGHT 1995 ACS
RN 153551-66-7 REGISTRY
CN Semaphorin I (Drosophila melanogaster C-terminal fragment reduced)
(9CI) (CA INDEX NAME)

OTHER NAMES:

CN Fasciclin I (Drosophila melanogaster C-terminal fragment reduced)
FS PROTEIN SEQUENCE
SQL 656

SEQ 1 EDDCQNYIRI MVVPSPGRLE VCGTNSFRPM CNTYIISDSN YTL EATKNGQ
51 AVCPYDPRHN STSVLADNEL YSGTVADFSG SDPIIYREPL QTEQYDSL SL
=

101 NAPNFVSSFT QGDFVYFFFR ETAVEFINCG KAIYSRVARV CKWDKGGPHR
=====

151 FRNRWTSFLK SRLNCSIPGD YPFYFNEIQS ASNLVEGQYG SMSSKLIYGV
201 FNTPSNSIPG SAVCAFALQD IADTFEGQFK EQTGINSNWL PVNNAKVPDP
251 RPGSCHNDSR ALPDPTLNFI KTHSLMDENV PAFFSQPILV RTSTIYRFTQ
301 IAVDAQIKTP GGKTYDVIFV GTDHGKIIKS VNAESADSAD KVTSSVIEEI
351 DVLTKSEPIR NLEIVRTMQY DQPKDGSYDD GKLIIVTDSQ VVAIQLHRCH
401 NDKITSCSEC VALQDPYCAW DKIAGKCRSH GAPRWLEENY FYQNVATGQH
451 AACPSGKINS KDANAGEGKG FRNDMDLLDS RRQSKDQEII DNIDKNFEGP
501 QTSADIINAQ YTVETLVMAV LAGSIFSLLV GFFTGYFCGR RCHKDEDDNL
551 PYPDTEYEYF EQRQNVNSFP SSCRIQQEPK LLPQVEEVTY AEPVLLPQPP
601 PPNKMHSPKN TLRKPPMHQM HQGPNSETLF QFHVTATTPS SRIVVATTSE
651 HCVPTR

HITS AT: 100-106

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXLIT
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 120:155251

L23 ANSWER 5 OF 6 REGISTRY COPYRIGHT 1995 ACS
RN 153551-65-6 REGISTRY
CN Semaphorin (Tribolium confusum precursor reduced) (9CI) (CA INDEX
NAME)

OTHER NAMES:

CN Fasciclin (Tribolium confusum precursor reduced)
FS PROTEIN SEQUENCE
SQL 710

SEQ 1 MVVKILVWSI CLIALCHAWM PDSSSKLINH FKSVESKSFT GNATFPDHFI
51 VLNQDETSIL VGGRNRVYNL SIFDLSEKRG GRIDWPSSDA HGQLCILKKG
101 TDDDCQNYIR ILYSSEPGKL VICGTNSYKP LCRTYAFKEG KYLVEKEVEG
151 IGLCPYNPEH NSTSVSYNGQ LFSATVADFS GGDPLIYREP QRTELSDLKQ
201 LNAPNFVNSV AYGDYIFFFY RETAVEYMNC GKVIYSRVAR VCKDDKGGPH
=====

251 QSRDRWTSFL KARLNC SIPG EYPFYFDEIQ STSDIVEGRY NSDDSKIIYG
301 ILTTPVNAIG GSAICAYQMA DILRVFEGSF KHQETINSNW LPVPQNLVPE
351 PRPGQCVRDS RILPDKNVNF IKTHSLMEDV PALFGKPV LV RVSLQYRFTA
401 ITVDPQVKTI NNQYLDVLYI GTDDGKVLKA VNIPKRHAKA LLYRKYRTSV
451 HPHGAPVKQL KIAPGYGKVV VVGKDEIRLA NLNHCASKTR CKDCVELQDP
501 HCAWDAKQNL CVSIDTVTSY RFLIQDVVRG DDNKCWSPQT DKKTVIKNKP

551 SEVENEITNS IDEKLDSSDP LIKTGLDDDS DCDPVSENSI GGCAVRQQLV
601 IYTAGTLHIV VVVVSI VGLF SWLYSGLSVF AKFHSDSQYP EAPFIEQHNH
651 LERLSANQTG YLTPRANKAV NLVVKVSSST PRPKKDNLDV SKDLNIASDG
701 TLQKIKKTYI

HITS AT: 201-207

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXLIT

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 120:155251

L23 ANSWER 6 OF 6 REGISTRY COPYRIGHT 1995 ACS

RN 149223-89-2 REGISTRY

CN Fasciclin IV (grasshopper embryo precursor reduced) (9CI) (CA INDEX
NAME)

OTHER NAMES:

CN Fasciclin IV (grasshopper embryo gene Fas4)

CN Semaphorin I (grasshopper embryo gene Fas4)

FS PROTEIN SEQUENCE

SQL 730

SEQ 1 MRAALVAVAA LLWVALHAAA WVNDVSPKMY VQFGEERVQR FLGNESHKDH
51 FKLLEKDHNS LLVGARNIVY NISLRDLTEF TEQRIEWHSS GAHRELCYLK
101 GKSEDDCQNY IRVLAKIDDD RVLICGTNAY KPLCRHYALK DGDYVVEKEY
151 EGRGLCPFD P DHNSTAIYSE GQLYSATVAD FSGTDPLIYR GPLRTERS DL
201 KQLNAPNFVN TMEYNDFIFF FFRETAVEYI NCGKAIYSRV ARVCKHDKGG
=====
251 PHQFGDRWTS FLKSRLNCSV PGDYPFYFNE IQSTSDIIEG NYGGQVEKLI
301 YGVFTTPVNS IGGSAVCAFS MKSILESFDG PFKEQETMNS NWLAVPSLKV
351 PEPRPGQCVN DSRTLDPDVS N FVKSHTLMD EAVPAFFTRP ILIRISLQYR
401 FTKIAVDQQV RTPDGKAYDV LFIGTDDGKV IKALNSASF S SDTVDSVVI
451 EELQVLPPGV PVKNLYVVRM DGDDSKLVV SDDEILAIKL HRCGSDKITN
501 CRECVSLQDP YCAWDNVELK CTAVGSPDWS AGKRRFIQNI SLGEHKACGG
551 RPQTEIVASP VPTQPTTKSS GDPVHSIHQA EFEPEIDNEI VIGVDDSNVI
601 PNTLAEINHA GSKLPSSQEK LPIYTAETLT IAIVTSC LGA LVVGFISGFL
651 FSRRCRGEDY TDMPPFDQRH QLNRLTEAGL NADSPYLPPC ANNKA AINLV
701 LNVPPKNANG KNA N S S AENK PIQKVKKTYI

HITS AT: 203-209

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, CAPREVIEWS, MEDLINE

1 REFERENCES IN FILE CAPREVIEWS

1 REFERENCES IN FILE CA (1967 TO DATE)

2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 119:91661

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L25 0 FILE CA
L26 0 FILE CAOLD
L27 0 FILE CAPREVIEWS
L28 0 FILE CAPLUS

TOTAL FOR ALL FILES

L29 0 L23 NOT (L11 OR L9 OR L17)

=> fil reg

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DICTIONARY FILE UPDATES: 1 Nov 95 HIGHEST RN 169435-71-6

TSCA INFORMATION NOW CURRENT THROUGH JUNE 1995

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

=> s [fy]ff[fy]re/sqsp
L30 17 [FY]FF[FY]RE/SQSP

=> s l30 and 5-15/sql
 170532 5-15/SQL
L31 1 L30 AND 5-15/SQL

=> d sqide can;fil ca,caol,capre,caplus;s l31

L31 ANSWER 1 OF 1 REGISTRY COPYRIGHT 1995 ACS
RN 166989-97-5 REGISTRY
CN L-Alanine, N- [N2- [N- [N2- [N- [N- [N- [N- (N2-L-.alpha.-aspartyl-L-
lysyl)-L-valyl]-L-tyrosyl]-L-phenylalanyl]-L-phenylalanyl]-L-
phenylalanyl]-L-arginyl]-L-.alpha.-glutamyl]-L-asparaginyl]- (9CI)
 (CA INDEX NAME)

OTHER NAMES:

CN Collapsin (human 11-amino acid fragment)
FS PROTEIN SEQUENCE
SQL ***11***

SEQ 1 DKVYFFFREN A
 =====

HITS AT: 4-9
MF C69 H94 N16 O18
SR CA
LC STN Files: CA, CAPLUS
DES 5:ALL,L

/ Structure 1 in file .gra /

/ Structure 2 in file .gra /

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:225934

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L32 1 FILE CA
L33 0 FILE CAOLD
L34 0 FILE CAPREVIEWS
L35 1 FILE CAPLUS

TOTAL FOR ALL FILES
L36 2 L31

=> dup rem l36;d an .mh
DUPLICATE IS NOT AVAILABLE IN 'CAOLD'. ANSWERS FROM THESE FILES WILL BE
CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L36
L37 1 DUP REM L36 (1 DUPLICATE REMOVED)

L37 ANSWER 1 OF 1 CA COPYRIGHT 1995 ACS DUPLICATE 1
AN 123:225934 CA
TI Antibodies which bind human collapsin and use for neurite outgrowth
induction and nerve damage treatment
SO U.S., 11 pp.
CODEN: USXXAM
IN Raper, Jonathan A.; Luo, Yuling
PI US 5416197 A 950516
AI US 93-136922 931015
PY 1995
AB Essentially pure human collapsin and its uses are disclosed. An
isolated nucleic acid mol. that comprises a nucleotide sequence that
is complementary to a nucleotide sequence that encodes a portion of
human collapsin is disclosed. Antibodies that specifically bind to

human collapsin and that inhibit its activity are disclosed. Methods of inhibiting the activity of collapsin, methods of inducing neurite outgrowth and methods of treating individuals suffering from nerve damage comprising the step of contacting neuronal cells with nucleic acid mol. that comprises a nucleotide sequence that is complementary to a nucleotide sequence that encodes a portion of human collapsin or comprising the step of contacting a neuronal cell with an antibody that specifically binds to human collapsin are disclosed. Methods of identifying compds. that inhibit the activity of human collapsin comprising the steps of contacting a neuronal cell with human collapsin in the presence of a test compd. are disclosed.

=> fil reg

FILE 'REGISTRY' ENTERED AT 12:39:13 ON 02 NOV 95
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STRUCTURE FILE UPDATES: 27 OCT 95 HIGHEST RN 169435-71-6
DICTIONARY FILE UPDATES: 1 Nov 95 HIGHEST RN 169435-71-6

TSCA INFORMATION NOW CURRENT THROUGH JUNE 1995

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

=> s e[fy]in[cs]gk/sqsp

L38 6 E[FY]IN[CS]GK/SQSP

=> s l38 and 5-15/sql

170532 5-15/SQL

L39 0 L38 AND 5-15/SQL

=> d l38 1-6 sqide can;fil ca,caol,capre,caplus;s l38

L38 ANSWER 1 OF 6 REGISTRY COPYRIGHT 1995 ACS

RN 167821-11-6 REGISTRY

CN Semaphorin II (Drosophila melanogaster) (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE

SQL 724

SEQ 1 MSLLQLSPLL ALLLLLCSSV SETAADYENT WNFYYERPCC TGNDQGNNNY
51 GKHGADHVR FNCCKLYYRT FHMNEDRDTL YVGAMDRVFR VNLQNISSN
101 CNRDAINLEP TRDDVVCVS KGKSQIFDCK NHVRVIQSMD QGDRLYVCGT
151 NAHNP KDYVI YANLTHLPRS EYVIGVGLGI AKCPYDPLDN STAIYVENGN
201 PGGLPGLYS TNAEFTKADT VIFRTDLYNT SAKRLEYKFK RTLKYDSKWL
251 DKPNFVGSFD IGEYVYFFFR ETAVEYINCG KAVYSRIARV CKKDVGGKNL
===== =
301 LAHNWATYLK ARLNCSISGE FPFYFNEIQS VYQLPSDKSR FFATFTTSTN
351 GLIGSAVCSF HINEIQAAFN GKFKEQSSSN SAWLPVLNSR VPEPRPGTCV
401 NDTSNLPDTV LNFIRSHPLM DKAVNHEHNN PVYYKRDLVF TKLVVDKIRI
451 DILNQEYIVY YVGTNLGRIY KIVQYYRNGE SLSKLLDIFE VAPNEAIQVM
501 EISQTRKSLY IGTDHRIKQI DLAMCNRRYD NCFRCVRDPY CGWDKEANTC
551 RPYELDLLQD VANETSDICD SSVLKKKIV TYGQSVHLGC FVKIPEVLKN
601 EQVTWYHHSK DKGRYEIRYS PTKYIETTER GLVVSVNEA DGGRYDCHLG
651 GSLLCSYNIT VDAHRCTPPN KSN DYQKIYS DWCHEFEKYK TAMKSWEKKQ
701 GQCSTRQNFS CNQHPNEIFR KPNV

HITS AT: 275-281

MF Unspecified

CI MAN
 SR CA
 LC STN Files: CAPLUS, CAPREVIEWS
 1 REFERENCES IN FILE CAPREVIEWS
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L38 ANSWER 2 OF 6 REGISTRY COPYRIGHT 1995 ACS
 RN 167821-09-2 REGISTRY
 CN Semaphorin I (Drosophila melanogaster C-terminal fragment) (9CI)
 (CA INDEX NAME)
 FS PROTEIN SEQUENCE
 SQL 650

SEQ 1 EDDCQNYIRI MVVPSPGRLF VCGTNSFRPM CNTYIISDSN YTLEATKNGQ
 51 AVCPYDPRHN STSVLADNEL YSGTVADFSG SDPIIYREPL QTEQYDSL SL
 101 NAPNFVSSFT QGDFVYFFFR ETAVEFINCG KAIYSRVARV CKWDKGGPHR
 ===== =
 151 FRNRWTSFLK SRLNCSIPGD YPFYFNEIQS ASNLVEGQYG SMSSKLIYGV
 201 FNTPSNSIPG SAVCAFALQD IADTFEGQFK EQTGINSNWL PVNNAKVPDP
 251 RPGSCHNDSR ALPDPTLNFI KTHSLMDENV PAFFSQPILV RTSTIYRFTQ
 301 IAVDAQIKTP GGKTYDVIFV GTDHGKIIKS VNAESADSAD KVTSSVIEEI
 351 DVLTKSEPIR NLEIVRTMQY DQPKDGSYDD GKLIIVTDSQ VVAIQLHRCH
 401 NDKITSCSEC VALQDPYCAW DKIAGKCRSH GAPRWLEENY FYQNVATGQH
 451 AACPSGKINS KDANAGEQKG FRNDMDLLDS RRQSKDQEII DNIDKNFEDI
 501 INAQYTVETL VMAVLGSIF SLLVGFFTGY FCGRRCHKDE DDNLPPPDTE
 551 YEYFEQRQNV NSFPSSCRIQ QEPKLLPQVE EVTYADAVLL PQPPPPNKM
 601 SPKNTLRKPP MHQMHQGPNS ETLFQFHVTA TTPSSRIVVA TTSEHCVPTR

HITS AT: 125-131

MF Unspecified

CI MAN

SR CA

LC STN Files: CAPLUS, CAPREVIEWS
 1 REFERENCES IN FILE CAPREVIEWS
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L38 ANSWER 3 OF 6 REGISTRY COPYRIGHT 1995 ACS
 RN 167821-07-0 REGISTRY
 CN Semaphorin I (grasshopper) (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE
 SQL 730

SEQ 1 MRAALVAVAA LLWVALHAAA WVNDVSPKMY VQFGEERVQR FLGNESHKDH
 51 FKLLEKDHNS LLVGARNIVY NISLRDLTEF TEQRIEWHSS GAHRELCYLK
 101 GKSEDDCQNY IRVLAKIDDD RVLICGTNAY KPLCRHYALK DGDYVVEKEY
 151 EGRGLCPFDP DHNSTAIYSE GQLYSATVAD FSGTDPLIYR GPLRTERS DL
 201 KQLNAPNFVN TMEYNDFIFF FFRETAVEYI NCGKAIYSRV ARVCKHDKGG
 === ====
 251 PHQGGDRWTS FLKSRLNCSV PGDYPFYFNE IQSTSDIIEG NYGGQVEKLI
 301 YGVFTTPVNS IGSAVCAFS MKSILESFDG PFKEQETMNS NWLAVPSLKV
 351 PEPRPGQCVN DSRTLDPVSV NFVKSHTLMD EAVPAFFTRP ILIRISLQYR
 401 FTKIAVDQQV RTPDGKAYDV LFIGTDDGKV IKALNSASF D SSDTVDSVVI
 451 EELQVLPPGV PVKNLYVVRM DGDDSKLVV SDDEILAIKL HRCGSDKITN
 501 CRECVSLQDP YCAWDNVELK CTAVGSPDWS AGKRRFIQNI SLGEHKACGG
 551 RPQTEIVASP VPTQPTTKSS GDPVHSIHQA EFEPEIDNEI VIGVDDSNVI
 601 PNTLAEINHA GSKLPSSQEK LPIYTAETLT IAIVTSCLGA LVVGFISGFL
 651 FSRRCRGEDY TDMPPFDQRH QLNRLTEAGL NADSPYLPPC ANNKAAINLV
 701 LNVPPKNANG KNANSSAENK PIQKVKKTYI

HITS AT: 228-234

MF Unspecified

CI MAN

SR CA
LC STN Files: CAPLUS, CAPREVIEWS
1 REFERENCES IN FILE CAPREVIEWS
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L38 ANSWER 4 OF 6 REGISTRY COPYRIGHT 1995 ACS
RN 153551-67-8 REGISTRY
CN Semaphorin II (Drosophila melanogaster precursor reduced) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Fasciclin II (Drosophila melanogaster precursor reduced)
FS PROTEIN SEQUENCE
SQL 706

SEQ 1 MSLQLSPLL ALLLLLCSSV SETAADYENT WNFYYERPCC TGNDQGNNNY
51 GKHGADHVR FNCGLYYRT FHMNEDRDTL YVGAMDRVFR VNLQNISSSN
101 CNRDAINLED CKNHVRVIQS MDQGDRLYVC GTNAHNP KDY VIYANLTHLP
151 RSEYVIGVGL GIAKCPYDPL DNSTAIYVEN GNPGLPGLY SGTNAEFTKA
201 DTVIFRTDLY NTSKRLEYK FKRTLKYDSK WLDKPNFVGS FDIGEYVYFF
251 FRETAVEYIN CGKAVYSRIA RVCKKDVG GK NLLAHNWATY LKARLNCSIS
=====
301 GEFPFYFNEI QSVYQLPSDK SRFFATFTTS TNGLIGSAVC SFHINEIQAA
351 FNGKFKEQSS SNSAWLPVLN SRVPEPRPGT CVNDTSNLPD TVLNFIRSHP
401 LMDKAVNHEH NNPVYYKRDL VFTKLVVDKI RIDILNQEYI VYYVGTNLGR
451 IYKIVQYYRN GESLSKLLDI FEVAPNEAIQ VMEISQTRKS LYIGTDHRIK
501 QIDLAMCNR YDNCFR CVRD PYCGWDKEAN TCRPYELDLL QDVANETSDI
551 CDSSVLKKKI VVTYQSVHL GCFVKIPEVL KNEQVTWYHH SKDKGRYEIR
601 YSPTKYIETT ERGLVVSVN EADGGRYDCH LGGSLCSYN ITVDAHRCTP
651 PNKSNDYQKI YSDWCHEFEK YKTAMKSWEK KQGQCSTRQN FSCNQHPNEI
701 FRKPNV

HITS AT: 257-263

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXLIT
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 120:155251

L38 ANSWER 5 OF 6 REGISTRY COPYRIGHT 1995 ACS
RN 153551-66-7 REGISTRY
CN Semaphorin I (Drosophila melanogaster C-terminal fragment reduced) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Fasciclin I (Drosophila melanogaster C-terminal fragment reduced)
FS PROTEIN SEQUENCE
SQL 656

SEQ 1 EDDCQNYIRI MVVPSPGR LF VCGTNSFRPM CNTYIISDSN YTLEATKNGQ
51 AVCPYDPRHN STSVLADNEL YSGTVADFSG SDPIIYREPL QTEQYDSL SL
101 NAPNFVSSFT QGDFVYFFFR ETAVEFINCG KAIYSRVARV CKWDKGGPHR
=====
151 FRNRWTSFLK SRLNCSIPGD YPFYFNEIQS ASNLVEGQYG SMSSKLIYGV
201 FNTPSNSIPG SAVCAFALQD IADTFEGQFK EQTGINSNL PVNNAKVDPD
251 RPGSCHNDSR ALPDPTLNFI KTHSLMDENV PAFFSQPILV RTSTIYRFTQ
301 IAVDAQIKTP GGKTYDVIFV GTDHGKIIKS VNAESADSAD KVTSVVIEEI
351 DVLTKSEPIR NLEIVRTMQY DQPKDGSYDD GKLIIVTDSQ VVAIQLHRCH
401 NDKITSCSEC VALQDPYCAW DKIA GKCRSH GAPRWLEENY FYQNVATGQH
451 AACPSGKINS KDANAGEGKG FRNDMDLLDS RRQSKDQEII DNIDKNFEGP

501 QTSADIINAQ YTVETLVMAV LAGSIFSLV GFFTGYFCGR RCHKDEDDNL
551 PYPDTEYEYF EQRQNVNSFP SSCRIQQEPK LLPQVEEVY AEPVLLPQPP
601 PPNKMHSKPN TLRKPPMHQM HQGNSETLF QFHVTATTPS SRIVVATTSE
651 HCVPTR

HITS AT: 125-131

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXLIT

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 120:155251

L38 ANSWER 6 OF 6 REGISTRY COPYRIGHT 1995 ACS

RN 149223-89-2 REGISTRY

CN Fasciclin IV (grasshopper embryo precursor reduced) (9CI) (CA INDEX
NAME)

OTHER NAMES:

CN Fasciclin IV (grasshopper embryo gene Fas4)

CN Semaphorin I (grasshopper embryo gene Fas4)

FS PROTEIN SEQUENCE

SQL 730

SEQ 1 MRAALVAVAA LLWVALHAAA WVNDVSPKMY VQFGEERVQR FLGNESHKDH
51 FKLLEKDHNS LLVGARNIVY NISLRDLTEF TEQRIEWHSS GAHRELCYLK
101 GKSEDDCQNY IRVLAKIDDD RVLICGTNAY KPLCRHYALK DGDYVVEKEY
151 EGRGLCPFPD DHNSTAIYSE GQLYSATVAD FSGTDPLIYR GPLRTERS DL
201 KQLNAPNFVN TMEYNDFIFF FFRETAVEYI NCGKAIYSRV ARVCKHDKGG
=== ====
251 PHQFGDRWTS FLKSRLNCSV PGDYPFYFNE IQSTSDIIEG NYGGQVEKLI
301 YGVFTTPVNS IGGSAVCAFS MKSILESFDG PFKEQETMNS NWLAVPSLKV
351 PEPRPGQCVN DSRTLDPVSV NFVKSHTLMD EAVPAFFTRP ILIRISLQYR
401 FTKIAVDQQV RTPDGKAYDV LFIGTDDGKV IKALNSASF SDDTVDSVVI
451 EELQVLPPGV PVKNLYVVRM DGDDSKLVVV SDDEILAIKL HRCGSDKITN
501 CRECVSLQDP YCAWDNVELK CTAVGSPDWS AGKRRFIQNI SLGEHKACGG
551 RPQTEIVASP VPTQPTTKSS GDPVHSIHQA EFEPEIDNEI VIGVDDSNVI
601 PNTLAEINHA GSKLPSSQEK LPIYTAETLT IAIVTSC LGA LVVGFI SGFL
651 FSRRCRGEDY TDMPFPDQRH QLNRLTEAGL NADSPYLPPC ANNKAAILNV
701 LNVPPKNANG KNAOSSAENK PIQKVKKTYI

HITS AT: 228-234

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, CAPREVIEWS, MEDLINE

1 REFERENCES IN FILE CAPREVIEWS

1 REFERENCES IN FILE CA (1967 TO DATE)

2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 119:91661

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L40	2	FILE CA
L41	0	FILE CAOLD
L42	1	FILE CAPREVIEWS
L43	3	FILE CAPLUS

TOTAL FOR ALL FILES

L44	6	L38
-----	---	-----

=> s l44 not (l11 or l9 or l17 or l23)

L45	0	FILE CA
L46	0	FILE CAOLD
L47	0	FILE CAPREVIEWS
L48	0	FILE CAPLUS

TOTAL FOR ALL FILES

L49	0	L44 NOT (L11 OR L9 OR L17 OR L23)
-----	---	-----------------------------------

=> fil regg

'REGG' IS NOT A VALID FILE NAME

SESSION CONTINUES IN FILE 'CA, CAOLD, CAPREVIEWS, CAPLUS'

Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

=> s r[vi]arvck/sqsp

'SQSP' IS NOT A VALID FIELD CODE

L50	0	FILE CA
-----	---	---------

'SQSP' IS NOT A VALID FIELD CODE

L51	0	FILE CAOLD
-----	---	------------

'SQSP' IS NOT A VALID FIELD CODE

L52	0	FILE CAPREVIEWS
-----	---	-----------------

'SQSP' IS NOT A VALID FIELD CODE

L53	0	FILE CAPLUS
-----	---	-------------

TOTAL FOR ALL FILES

L54	0	R[VI]ARVCK/SQSP
-----	---	-----------------

=> fil reg

FILE 'REGISTRY' ENTERED AT 12:41:00 ON 02 NOV 95

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STRUCTURE FILE UPDATES: 27 OCT 95 HIGHEST RN 169435-71-6

DICTIONARY FILE UPDATES: 1 Nov 95 HIGHEST RN 169435-71-6

TSCA INFORMATION NOW CURRENT THROUGH JUNE 1995

Please note that search-term pricing does apply when

conducting SmartSELECT searches.

*** YOU HAVE NEW MAIL ***

=> s r[vi]arvck/sqsp
L55 10 R[VI]ARVCK/SQSP

=> d 1-10 sqide can;fil ca,caol,capre,caplu;s l55 not (l11 or 19 or 117 or 123 o

L55 ANSWER 1 OF 10 REGISTRY COPYRIGHT 1995 ACS
RN 168458-96-6 REGISTRY
CN Semaphorin SemC (mouse) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Collapsin SemC (mouse)
FS PROTEIN SEQUENCE
SQL 782

```
SEQ      1  EERLIRKFEA  ENISNYTALL  LSQDGKTLVY  GAREALFALN  SNLSFLPGGE
      51  YQELLWSADA  DRKQQCSFKG  KDPKRDCQNY  IKILLPLNSS  HLLTCGTAAF
     101  SPLCAYIHIA  SFTLAQDEAG  NVAILEDGKGH  CPFDPNFKST  ALVVDGELYT
     151  GTVSSFQGND  PAISRSQSSR  PTKTESSLNW  LQDPAFVASA  TSPESELGSP
     201  GDDDKIYFFF  SETGQEFEFF  ENTIVSRVAR  VCKGDEGGER  VLQQRWTSFL

                        =====
     251  KAQLLCSRPD  DGFPFNVLQD  VFTLNPNPQD  WRKTLSIGVF  TSQWHRGTTE
     301  GSAICVFTMN  DVQKAFDGLY  KKVNRQTQQW  YTETHQVPTP  RPGACITNSA
     351  RERKINSSLQ  LPDRVLNFLK  DHFLMDGQVR  SRLLLLQPRA  RYQRVAVHRV
     401  PGLHSTYDVL  FLGTGDGRLH  KAVTLSSRVH  IIEELQIFPQ  GQPVNLLLD
     451  SHGGLLYASS  HSGVVQVPVA  NCSLYPTCGD  CLLARDPYCA  WTGSACRLAS
     501  LYQPDLASRP  WTQDIEGASV  KELCKNSSYK  ARFLVPGKPC  KQVQIQPNTV
     551  NTLACPLLSN  LATRLWVHNG  APVNASASCR  VLPTGDLLLV  GSQQGLGVFQ
     601  CWSIEEGFQQ  LVASYCPEVM  EEGVMDQKNQ  RDGTPVIINT  SRVSAPAGGR
     651  DSWGADKSYW  NEFLVMCTLF  VFAMVLLFLF  FLYRHRDGMK  LFLKQGECAS
     701  VHPKTRPIVL  PPETRPLNGV  GPPSTPLDHR  GYQALSDSSP  GPRVFTSEK
     751  RPLSIQDSFV  EVSPVCPRPR  VRLGSEIRDS  VV
```

HITS AT: 227-233

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:221278

L55 ANSWER 2 OF 10 REGISTRY COPYRIGHT 1995 ACS
RN 167941-10-8 REGISTRY
CN Semaphorin I (Tribolium embryo) (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 712

```
SEQ      1  MVVKILVWSI  CLIALCHAWM  PDSSSKLINH  FKSVESKSFT  GNATFPDHFI
      51  VLNQDETSIL  VGGRNRVYNL  SIFDLSEKKG  GRIDWPSSDA  HGQLCILKKG
     101  TDDDCQNYIR  ILYSSEPGKL  VICGTNSYKP  LCRTYAFKEG  KYLVEKEVEG
     151  IGLCPYNPEH  NSTSVSYNGQ  LFSATVADFS  GGDPLIYREP  QRTELSDLKQ
     201  LNAPNFVNSV  AYGDYIFFFY  RETAVEYMNC  GKVIYSRVAR  VCKDDKGGPH

                        =====
     251  QSRDRWTSFL  KARLNCSIPG  EYPFYFDEIQ  STSDIVEGRY  NSDDSKKIY
     301  GILTTPVNAI  GGSAICAYQM  ADILRVFEGS  FKHQETINSN  WLPVPQNLVP
     351  EPRPGQCVRD  SRILPDKNVN  FIKTHSLMED  VPALFGKPVL  VRVSLQYRFT
```

401 AITVDPQVKT INNQYLDVLY IGTDDGKVLK AVNIPKRHAK ALLYRKYRTS
 451 VPHPGAPVKQ LKIAPGYGKV VVVGKDEIRL ANLNHCASKT RCKDCVELQD
 501 PHCAWDKQON LCVSIDTVTS YRFLIQDVVR GDDNKCWSPQ TDKKTVIKNK
 551 PSEVENEITN SIDEKDLDSS DPLIKTGLDD DSDCDPVSEN SIGGCAVRQQ
 601 LVIYTAGTLH IVVVVVSIVG LFSWLYSGLS VFAKFHSDSQ YPEAPFIEQH
 651 NHLERLSANQ TGYLTFRANK AVNLVVKVSS STPRPKDNL DVSKDLNIAS
 701 DGTLOKIKKT YI

HITS AT: 237-243

MF Unspecified

CI MAN

SR CA

LC STN Files: CAPLUS, CAPREVIEWS

1 REFERENCES IN FILE CAPREVIEWS

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L55 ANSWER 3 OF 10 REGISTRY COPYRIGHT 1995 ACS

RN 167821-11-6 REGISTRY

CN Semaphorin II (Drosophila melanogaster) (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE

SQL 724

SEQ 1 MSLQLSPLL ALLLLLCSSV SETAADYENT WNFYYERPCC TGNDQGNNNY
 51 GKHGADHVRE FNCCKLYYRT FHMNEDRDTL YVGAMDRVFR VNLQNISSSN
 101 CNRDAINLEP TRDDVVSVCVS KGKSQIFDCK NHVRVIQSMD QGDRLYVCGT
 151 NAHNP KDYVI YANLTHLPRS EYVIGVGLGI AKCPYDPLDN STAIYVENG
 201 PGGLPGLYSG TNAEFTKADT VIFRTDLYNT SAKRLEYKFK RTLKYDSKWL
 251 DKPNFVGSFD IGEYVYFFFR ETAVEYINCG KAVYSRIARV CKKDVGGKNL
 =====
 301 LAHNWATYLY ARLNCSISGE FPFYFNEIQS VYQLPSDKSR FFATFTTSTN
 351 GLIGSAVCSF HINEIQAAFN GKFKQSSSN SAWLPVLNSR VPEPRPGTCV
 401 NDTSNLPDTV LNFIRSHPLM DKAHNHEHNN PVYKRDVLF TKLVVDKIRI
 451 DILNQEYIVY YVGTNLGRIY KIVQYRNGE SLSKLLDIFE VAPNEAIQVM
 501 EISQTRKSLY IGTDRHRIKQI DLAMCNRRYD NCFRCVRDPY CGWDKEANTC
 551 RPYELDLLQD VANETSDICD SSVLKKKIVV TYGQSVHLGC FVKIPEVLKN
 601 EQVTWYHHSK DKGRIEIRYS PTKYIETTER GLVVSVVNEA DGGRYDCHLG
 651 GSLLCSYNIT VDAHRCTPPN KSNDYQKIYS DWCHFEFEKYK TAMKSWEKKQ
 701 GQCSTRQNFS CNQHPNEIFR KPNV

HITS AT: 286-292

MF Unspecified

CI MAN

SR CA

LC STN Files: CAPLUS, CAPREVIEWS

1 REFERENCES IN FILE CAPREVIEWS

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L55 ANSWER 4 OF 10 REGISTRY COPYRIGHT 1995 ACS

RN 167821-09-2 REGISTRY

CN Semaphorin I (Drosophila melanogaster C-terminal fragment) (9CI)
 (CA INDEX NAME)

FS PROTEIN SEQUENCE

SQL 650

SEQ 1 EDDCQNYIRI MVVPSPGRFL VCGTNSFRPM CNTYIISDSN YTLKATKNGQ
 51 AVCPYDPRHN STSVLADNEL YSGTVADFSG SDPIIYREPL QTEQYDSLSL
 101 NAPNFVSSFT QGDFVYFFFR ETAVEFINCG KAIYSRVARV CKWDKGGPHR
 =====
 151 FRNRWTSFLK SRLNCSIPGD YPFYFNEIQS ASNLVEGQYG SMSSKLIYGV
 201 FNTPSNSIPG SAVCAFALQD IADTFEGQFK EQTGINSNLV PVNNAKVDPD
 251 RPGSCHNDSR ALPDPTLNFI KTHSLMDENV PAFFSQPILV RTSTIYRFTQ
 301 IAVDAQIKTP GGKTYDVIFV GTDHGKIIKS VNAESADSAD KVTSVVIEEI

351 DVLTKSEPIR NLEIVRTMQY DQPKDGSYDD GKLIIVTDSQ VVAIQLRCH
 401 NDKITSCSEC VALQDPYCAW DKIAGKCRSH GAPRWLEENY FYQNVATGQH
 451 AACPSGKINS KDANAGEQKG FRNDMDLLDS RRQSKDQEII DNIDKNFEDI
 501 INAQYTVETL VMAVLAGSIF SLLVGFFTGY FCGRRCHKDE DDNLPPYDTE
 551 YEYFEQRQNV NSFPPSSCRIQ QEPKLLPQVE EVTYADAVLL PQPPPPNKM
 601 SPKNTLRKPP MHQMHQGPNS ETLFQFHVTA TTPSSRIVVA TTSEHCVPTR

HITS AT: 136-142

MF Unspecified

CI MAN

SR CA

LC STN Files: CAPLUS, CAPREVIEWS

1 REFERENCES IN FILE CAPREVIEWS

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L55 ANSWER 5 OF 10 REGISTRY COPYRIGHT 1995 ACS

RN 167821-07-0 REGISTRY

CN Semaphorin I (grasshopper) (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE

SQL 730

SEQ 1 MRAALVAVAA LLWVALHAAA WVNDVSPKMY VQFGEERVQR FLGNESHKDH
 51 FKLLEKDHNS LLVGARNIVY NISLRDLTEF TEQRIEWHSS GAHRELCYLK
 101 GKSEDDCQNY IRVLAKIDDD RVLICGTNAY KPLCRHYALK DGDYVVEKEY
 151 EGRGLCPFPD DHNSTAIYSE GQLYSATVAD FSGTDPLIYR GPLRTERS
 201 KQLNAPNFVN TMEYNDFIFF FFRETAVEYI NCGKAIYSRV ARVCKHDKGG

== =====

251 PHQGGDRWTS FLKSRLNCSV PGDYPFYFNE IQSTSDIIEG NYGGQVEKLI
 301 YGVFTTPVNS IGGSAVCAFS MKSILESFDG PFKEQETMNS NWLAVPSLKV
 351 PEPRPGQCVN DSRTLDPVSV NFVKSHTLMD EAVPAFFTRP ILIRISLQYR
 401 FTKIAVDQQV RTPDGKAYDV LFIGTDDGKV IKALNSASFD SSDTVDSVVI
 451 EELQVLPPGV PVKNLYVVRM DGDDSKLVVV SDDEILAIKL HRCGSDKITN
 501 CRECVSLQDP YCAWDNVELK CTAVGSPDWS AGKRRFIQNI SLGEHKACGG
 551 RPQTEIVASP VPTQPTTKSS GDPVHSIHQA EFEPEIDNEI VIGVDDSNVI
 601 PNTLAEINHA GSKLPSSQEK LPIYTAETLT IAIVTSCGLA LVVGFIGSFL
 651 FSRRCRGEDY TDMPFPDQRH QLNRLTEAGL NADSPYLPPC ANNKAAILNV
 701 LNVPPKNANG KNANSSAENK PIQKVKKTYI

HITS AT: 239-245

MF Unspecified

CI MAN

SR CA

LC STN Files: CAPLUS, CAPREVIEWS

1 REFERENCES IN FILE CAPREVIEWS

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L55 ANSWER 6 OF 10 REGISTRY COPYRIGHT 1995 ACS

RN 167470-97-5 REGISTRY

CN Collapsin-4 (chicken brain fragment) (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE

SQL 295

SEQ 1 DDKIYFFFTTE VSVEYEFVGK LMIPRIARVC KRDQGGLRTL QKKWTSFLKA
 ===== =
 51 RLICTIPDKN LIFNIINDVF TLKSPTLKEP VIYGVFTPQL NNVGLSAVCA
 101 YNLSAVEEVF SKGKYMQSAT VEQSHTKWVR YNGEIPNPRP GACINNEARA
 151 LNYVTSLNLP DKTLQFVKDH PLMDDSVTPV GDRPRLVKRD VKYTQIVVDR
 201 VRALNGTIYD VMFISTDQGA LHKAISYENG MHIIETQLF PKFEPVQTLL
 251 LSSKKSRRYL YAGSNSGVVQ SPVAFCDTYT TCFDCVLARD PYCAW

HITS AT: 25-31

MF Unspecified

CI MAN

SR CA
LC STN Files: CAPLUS, CAPREVIEWS
1 REFERENCES IN FILE CAPREVIEWS
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L55 ANSWER 7 OF 10 REGISTRY COPYRIGHT 1995 ACS
RN 153551-67-8 REGISTRY
CN Semaphorin II (Drosophila melanogaster precursor reduced) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Fasciclin II (Drosophila melanogaster precursor reduced)
FS PROTEIN SEQUENCE
SQL 706

SEQ 1 MSLLQLSPLL ALLLLLCSSV SETAADYENT WNFYYERPCC TGNDQGNNNY
51 GKHGADHVRE FNCGKLYYRT FHMNEDRDTL YVGAMDRVFR VNLQNISSSN
101 CNRDAINLED CKNHVRVIQS MDQGDRLYVC GTNAHNP KDY VIYANLTHLP
151 RSEYVIGVGL GIAKCPYDPL DNSTAIYVEN GNPGLPGLY SGTNAEFTKA
201 DTVIFRTDLY NTSKRLEYK FKRTLKYDSK WLDKPNFVGS FDIGEYVYFF
251 FRETAVEYIN CGKAVYSRIA RVCKKDVGK NLLAHNWATY LKARLNCSIS
=====
301 GEFPFYFNEI QSVYQLPSDK SRFFATFTTS TNGLIGSAVC SFHINEIQAA
351 FNGKFKEQSS SNSAWLPVLN SRVPEPRPGT CVNDTSNLPD TVLNFIRSHP
401 LMDKAVNHEH NNPVYYKRDL VFTKLVVDKI RIDILNQEYI VYYVGTNLGR
451 IYKIVQYYRN GESLSKLLDI FEVAPNEAIQ VMEISQTRKS LYIGTDHRIK
501 QIDLAMCNR YDNCFRVCRD PYCGWDKEAN TCRPYELDLL QDVANETSDI
551 CDSSVLKKKI VVTYQSVHL GCFVKIPEVL KNEQVTWYHH SKDKGRYEIR
601 YSPTKYIETT ERGLVVSVN EADGGRYDCH LGGSLCSYN ITVDAHRCTP
651 PNKSNDYQKI YSDWCHEFEK YKTAMKSWEK KQGQCSTRQN FSCNQHPNEI
701 FRKPNV

HITS AT: 268-274

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXLIT
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 120:155251

L55 ANSWER 8 OF 10 REGISTRY COPYRIGHT 1995 ACS
RN 153551-66-7 REGISTRY
CN Semaphorin I (Drosophila melanogaster C-terminal fragment reduced) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Fasciclin I (Drosophila melanogaster C-terminal fragment reduced)
FS PROTEIN SEQUENCE
SQL 656

SEQ 1 EDDCQNYIRI MVVPSPGRLF VCGTNSFRPM CNTYIISDSN YTLEATKNGQ
51 AVCPYDPRHN STSVLADNEL YSGTVADFSG SDPIIYREPL QTEQYDSL SL
101 NAPNFVSSFT QGDFVYFFFR ETAVEFINCG KAIYSRVARV CKWDKGGPHR
===== ==
151 FRNRWTSFLK SRLNCSIPGD YPFYFNEIQS ASNLVEGQYG SMSSKLIYGV
201 FNTPSNSIPG SAVCAFALQD IADTFEGQFK EQTGINSNLV PVNNAKVPDP
251 RPGSCHNDSR ALPDPTLNFI KTHSLMDENV PAFFSQPILV RTSTIYRFTQ
301 IAVDAQIKTP GGKTYDVIFV GTDHGKIIKS VNAESADSAD KVTSVVIEEI
351 DVLTKSEPIR NLEIVRTMQY DQPKDGSYDD GKLIIVTDSQ VVAIQLHRCH
401 NDKITSCSEC VALQDPYCAW DKIAKGCRSH GAPRWLEENY FYQNVATGQH
451 AACPSGKINS KDANAGEGKG FRNDMDLLDS RRQSKDQEII DNIDKNFEGP

501 QTSADIINAQ YTVETLVMAV LAGSIFSLLV GFFTGYFCGR RCHKDEDDNL
551 PYPDTEYEYF EQRQNVNSFP SSCRIQQEPK LLPQVEEVTY AEPVLLPQPP
601 PPNKMHSPKN TLRKPPMHQM HQGPNSSETLF QFHVTATTPS SRIVVATTSE
651 HCVPTR

HITS AT: 136-142

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXLIT

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 120:155251

L55 ANSWER 9 OF 10 REGISTRY COPYRIGHT 1995 ACS

RN 153551-65-6 REGISTRY

CN Semaphorin (Tribolium confusum precursor reduced) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Fasciclin (Tribolium confusum precursor reduced)

FS PROTEIN SEQUENCE

SQL 710

SEQ 1 MVVKILVWSI CLIALCHAWM PDSSSKLINH FKSVESKSFT GNATFPDHFI
51 VLNQDETSIL VGGRNRVYNL SIFDLSEKRG GRIDWPSSDA HGQLCILKKG
101 TDDDCQNYIR ILYSSEPGKL VICGTNSYKP LCRTYAFKEG KYLVEKEVEG
151 IGLCPYNPEH NSTSVSYNGQ LFSATVADFS GGDPLIYREP QRTSLDLKQ
201 LNAPNFVNSV AYGDYIFFFY RETAVEYMNC GKVIYSRVAR VCKDDKGGPH

==== ==

251 QSRDRWTSFL KARLNCSIPG EYPFYFDEIQ STSDIVEGRY NSDDSKIIYG
301 ILTTPVNAIG GSAICAYQMA DILRVFEGSF KHQETINSNW LPVPQNLVPE
351 PRPGQCVRDS RILPDKNVNF IKTHSLMEDV PALFGKPVLV RVSLQYRFTA
401 ITVDPQVKTI NNQYLDVLYI GTDDGKVLKA VNIPKRHAKA LLYRKYRTSV
451 HPHGAPVKQL KIAPGYGKVV VVGKDEIRLA NLNHCASKTR CKDCVELQDP
501 HCAWDAKQNL CVSIDTVTSY RFLIQDVVRG DDNKCWSPQT DKKTVIKNKP
551 SEVENEITNS IDEKLDSSDP LIKTGLDDDS DCDPVSENSI GGCAVRQQLV
601 IYTAGTLHIV VVVVSIVGLF SWLYSGLSVF AKFHSDSQYP EAPFIEQHNH
651 LERLSANQTG YLTPRANKAV NLVVKVSSST PRPKKDNLDV SKDLNIASDG
701 TLQKIKKTYI

HITS AT: 237-243

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXLIT

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 120:155251

L55 ANSWER 10 OF 10 REGISTRY COPYRIGHT 1995 ACS

RN 149223-89-2 REGISTRY

CN Fasciclin IV (grasshopper embryo precursor reduced) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Fasciclin IV (grasshopper embryo gene Fas4)

CN Semaphorin I (grasshopper embryo gene Fas4)

FS PROTEIN SEQUENCE

SQL 730

SEQ 1 MRAALVAVAA LLWVALHAAA WVNDVSPKMY VQFGEERVQR FLGNESHKDH

51	FKLLEKDHNS	LLVGARNIVY	NISLRDLTEF	TEQRIEWHSS	GAHRELCYLK
101	GKSEDDCQNY	IRVLAKIDDD	RVLICGTNAY	KPLCRHYALK	DGDYVVEKEY
151	EGRGLCPFPD	DHNSTAIYSE	GQLYSATVAD	FSGTDPLIYR	GPLRTERSGL
201	KQLNAPNFVN	TMEYNDFIF	FFRETAVEYI	NCGKAIYSRV	ARVCKHDKGG
== =====					
251	PHQFGDRWTS	FLKSRLNCSV	PGDYPFYFNE	IQSTSDIIEG	NYGGQVEKLI
301	YGVFTTPVNS	IGGSAVCAFS	MKSILESFDG	PFKEQETMNS	NWLAVPSLKV
351	PEPRPGQCVN	DSRTLDPVSV	NFVKSHLMD	EAVPAFFTRP	ILIRISLQYR
401	FTKIAVDQQV	RTPDGKAYDV	LFIGTDDGKV	IKALNSASFD	SSDTVDSVVI
451	EELQVLPPGV	PVKNLVVRM	DGDDSKLVVV	SDDEILAIKL	HRCGSDKITN
501	CRECVSLQDP	YCAWDNVELK	CTAVGSPDWS	AGKRRFIQNI	SLGEHKACGG
551	RPQTEIVASP	VPTQPTTKSS	GDPVHSIHQA	EFEPEIDNEI	VIGVDDSNVI
601	PNTLAEINHA	GSKLPSSQEK	LPIYTAETLT	IAIVTSCGLA	LVVGFISGFL
651	FSRRRCGEDY	TDMPPFDQRH	QLNRLTEAGL	NADSPYLPPC	ANNKAAINLV
701	LNVPKKNANG	KNANSSAENK	PIQKVKKTYI		

HITS AT: 239-245

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, CAPREVIEWS, MEDLINE

1 REFERENCES IN FILE CAPREVIEWS

1 REFERENCES IN FILE CA (1967 TO DATE)

2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 119:91661

FILE 'CA' ENTERED AT 12:41:39 ON 02 NOV 95

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FILE 'CAOLD' ENTERED AT 12:41:39 ON 02 NOV 95

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FILE 'CAPREVIEWS' ENTERED AT 12:41:39 ON 02 NOV 95

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FILE 'CAPLUS' ENTERED AT 12:41:39 ON 02 NOV 95

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L56	0 FILE CA
L57	0 FILE CAOLD
L58	0 FILE CAPREVIEWS
L59	0 FILE CAPLUS

TOTAL FOR ALL FILES

L60 0 L55 NOT (L11 OR L9 OR L17 OR L23 OR L44)

=> fil reg

FILE 'REGISTRY' ENTERED AT 12:41:57 ON 02 NOV 95

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STRUCTURE FILE UPDATES: 27 OCT 95 HIGHEST RN 169435-71-6

DICTIONARY FILE UPDATES: 1 Nov 95 HIGHEST RN 169435-71-6

TSCA INFORMATION NOW CURRENT THROUGH JUNE 1995

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

*** YOU HAVE NEW MAIL ***

=> s w[ta][ts][fy]lk[as]rl/sqsp
L61 20 W[TA][TS][FY]LK[AS]RL/SQSP

=> dis his

(FILE 'WPINDEX, USPATFULL' ENTERED AT 12:09:09 ON 02 NOV 95)
DEL HIS Y

FILE 'REGISTRY' ENTERED AT 12:29:29 ON 02 NOV 95

L1 0 S DCQNYI/SQEP
E DCQNYI/SQEP
L2 0 S CGT[NG][AS]..P
L3 15 S CGT[NG][AS]..P/SQSP
L4 0 S L3 AND 8/SQL

FILE 'CA, CAPREVIEWS, CAPLUS, CAOLD' ENTERED AT 12:34:44 ON 02 NOV
95

L5 5 FILE CA
L6 3 FILE CAPREVIEWS
L7 8 FILE CAPLUS
L8 0 FILE CAOLD

TOTAL FOR ALL FILES

L9 16 S L3
L10 8 DUP REM L9 (8 DUPLICATES REMOVED)

FILE 'REGISTRY' ENTERED AT 12:35:08 ON 02 NOV 95

L11 5 S G.[SC]PYDP/SQSP

FILE 'CA, CAOLD, CAPREVIEWS, CAPLUS' ENTERED AT 12:35:49 ON 02 NOV
95

L12 0 FILE CA
L13 0 FILE CAOLD
L14 0 FILE CAPREVIEWS
L15 0 FILE CAPLUS

TOTAL FOR ALL FILES

L16 0 S L11 NOT L9

FILE 'REGISTRY' ENTERED AT 12:35:58 ON 02 NOV 95

L17 9 S LYSGT[VNA]A/SQSP

FILE 'CA, CAOLD, CAPREVIEWS, CAPLUS' ENTERED AT 12:36:44 ON 02 NOV
95

L18 0 FILE CA
L19 0 FILE CAOLD
L20 0 FILE CAPREVIEWS
L21 0 FILE CAPLUS

TOTAL FOR ALL FILES

L22 0 S L17 NOT (L11 OR L9)

FILE 'REGISTRY' ENTERED AT 12:36:58 ON 02 NOV 95

L23 6 S LNAPNFV/SQSP
L24 0 S LNAPNFV/SQEP

FILE 'CA, CAOLD, CAPREVIEWS, CAPLUS' ENTERED AT 12:37:59 ON 02 NOV 95

L25 0 FILE CA
L26 0 FILE CAOLD
L27 0 FILE CAPREVIEWS
L28 0 FILE CAPLUS
TOTAL FOR ALL FILES
L29 0 S L23 NOT (L11 OR L9 OR L17)

FILE 'REGISTRY' ENTERED AT 12:38:13 ON 02 NOV 95

L30 17 S [FY]FF[FY]RE/SQSP
L31 1 S L30 AND 5-15/SQL

FILE 'CA, CAOLD, CAPREVIEWS, CAPLUS' ENTERED AT 12:38:58 ON 02 NOV 95

L32 1 FILE CA
L33 0 FILE CAOLD
L34 0 FILE CAPREVIEWS
L35 1 FILE CAPLUS
TOTAL FOR ALL FILES
L36 2 S L31
L37 1 DUP REM L36 (1 DUPLICATE REMOVED)

FILE 'REGISTRY' ENTERED AT 12:39:13 ON 02 NOV 95

L38 6 S E[FY]IN[CS]GK/SQSP
L39 0 S L38 AND 5-15/SQL

FILE 'CA, CAOLD, CAPREVIEWS, CAPLUS' ENTERED AT 12:39:57 ON 02 NOV 95

L40 2 FILE CA
L41 0 FILE CAOLD
L42 1 FILE CAPREVIEWS
L43 3 FILE CAPLUS
TOTAL FOR ALL FILES
L44 6 S L38
L45 0 FILE CA
L46 0 FILE CAOLD
L47 0 FILE CAPREVIEWS
L48 0 FILE CAPLUS
TOTAL FOR ALL FILES
L49 0 S L44 NOT (L11 OR L9 OR L17 OR L23)
L50 0 FILE CA
L51 0 FILE CAOLD
L52 0 FILE CAPREVIEWS
L53 0 FILE CAPLUS
TOTAL FOR ALL FILES
L54 0 S R[VI]ARVCK/SQSP

FILE 'REGISTRY' ENTERED AT 12:41:00 ON 02 NOV 95

L55 10 S R[VI]ARVCK/SQSP

FILE 'CA, CAOLD, CAPREVIEWS, CAPLUS' ENTERED AT 12:41:39 ON 02 NOV 95

L56 0 FILE CA
L57 0 FILE CAOLD
L58 0 FILE CAPREVIEWS
L59 0 FILE CAPLUS
TOTAL FOR ALL FILES
L60 0 S L55 NOT (L11 OR L9 OR L17 OR L23 OR L44)

FILE 'REGISTRY' ENTERED AT 12:41:57 ON 02 NOV 95
L61 20 S W[TA][TS][FY]LK[AS]RL/SQSP

=> s 161 not (155 or 138 or 130 or 123 or 117 or 111 or 13)
L62 3 L61 NOT (L55 OR L38 OR L30 OR L23 OR L17 OR L11 OR L3)

=> d 1-3 sqide can;fil ca,caol,capre,caplus;s 162 not (111 or 19 or 117 or 123 o

L62 ANSWER 1 OF 3 REGISTRY COPYRIGHT 1995 ACS
RN 168458-98-8 REGISTRY
CN Semaphorin SemE (mouse) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Collapsin SemE (mouse)
FS PROTEIN SEQUENCE
SQL 751

SEQ 1 MAFRAICVLV GVFIICSICVR GSSQPQARVY LTFDELRETK TSEYFSLSHQ
51 QLDYRILLMD EDQDRIYVGS KDHILSLNIN NISQEPLSVF WPASTIKVEE
101 CKMAGKDPH GCGNFVRVIQ TFNRTHLYVC GSGAFSPVCT YLNRGRSED
151 QVFMIDSKCE SGKGRCSFNP NVNTVSVMIN EELFSGMYID FMGTDAAIFR
201 SLTKRMQLRT DQHNSKWLSE PMFVDAHVIP DGTDPNDKAV YFFFKERLTD
251 NNRSTKQIHS MIARICPNDT GGQRLVNKW TTFLKARLVC SVTDEDGPET
= =====
301 HFDELEDVFL LETDNPRTTL VYGIFTTSSS VFKGSAVCVY HLSDIQTVMFN
351 GPFAHKEGPN HQLISYQGRI PYPRPGTCPG GAFTPNMRTT KDFPDDVVTF
401 IRNHPLMYS ISPIHRRPLI VRIGTDYKYT KIAVDRVNAA DGRYHVLFLG
451 TDRGTVQKV VLPTNSSASG ELILEELEV FKNHVPITME ISSKKQQLYV
501 SSNEGVSVQS LHRCHIYGTA CADCCCLARDP YCAWDGHSCS RFYPTGKRRS
551 RRQDVRHGNP LTQCRGFNLK AYRNAAEIVQ YGVRNNSTFL ECAPKSPQAS
601 IKWLLQKDKD RRKEGKLNER IIATSQGLLI RSVQDSQGL YHCIATENSF
651 KQTIKINFK VLDSEMVAVV TDKWSPWTA GSVRALPFHP KDILGAFSHS
701 EMQLINQYCK DTRQQQQLGE EPQKMRGDYG KKLKALINSRK SRNRRNQLPE
751 S

HITS AT: 280-288

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:221278

L62 ANSWER 2 OF 3 REGISTRY COPYRIGHT 1995 ACS
RN 167470-96-4 REGISTRY
CN Collapsin-3 (chicken brain fragment) (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 294

SEQ 1 DDKIYFFFKE RLTDNSGSTK QIHSMIARIC PNDTGGQSL VNKWTTFLKA
=====

51 RLVCVMDDED GTETYFDELE DVFLLETDNP RTTLVYGIFT TSSSIFKGSA
==

101 VCVYHLSDIQ TVFNGPFAHK EGSNHQLIPY QGRIPYPRPG TCPGGAFTPN
151 MRTTKEFPDD VVTFIRNDPL MYNPIYPIHK RPLIIRIGTD YKYTKIAVDR
201 VNAADGRCHV LFLGTDQGTV QKVVLPTNF SASGELILEE LEVFQSNSPI
251 TTMKISSKKQ QLYVSSEEGV TQVPLHRCRI YGTACADCCCL ARDP

HITS AT: 44-52

MF Unspecified

CI MAN
SR CA
LC STN Files: CAPLUS, CAPREVIEWS
1 REFERENCES IN FILE CAPREVIEWS
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L62 ANSWER 3 OF 3 REGISTRY COPYRIGHT 1995 ACS
RN 166989-98-6 REGISTRY
CN Glycine, L-tryptophyl-L-threonyl-L-threonyl-L-phenylalanyl-L-leucyl-L-lysyl-L-alanyl-L-arginyl-L-leucyl-L-isoleucyl-L-cysteinyl-L-seryl-L-valyl-L-prolyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Collapsin (human 15-amino acid fragment)
FS PROTEIN SEQUENCE
SQL 15

SEQ 1 WTTFLKARLI CSVPG
=====

HITS AT: 1-9
MF C79 H126 N20 O19 S
SR CA
LC STN Files: CA, CAPLUS
DES 5:ALL,L

/ Structure 3 in file .gra /

/ Structure 4 in file .gra /

/ Structure 5 in file .gra /

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:225934

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FILE 'CAPREVIEWS' ENTERED AT 12:44:03 ON 02 NOV 95
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FILE 'CAPLUS' ENTERED AT 12:44:03 ON 02 NOV 95
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L63 1 FILE CA
L64 0 FILE CAOLD

L65 0 FILE CAPREVIEWS
L66 1 FILE CAPLUS

TOTAL FOR ALL FILES

L67 2 L62 NOT (L11 OR L9 OR L17 OR L23 OR L44)

=> dup rem l67;d an .mh

DUPLICATE IS NOT AVAILABLE IN 'CAOLD'. ANSWERS FROM THESE FILES WILL BE
CONSIDERED UNIQUE

PROCESSING COMPLETED FOR L67

L68 1 DUP REM L67 (1 DUPLICATE REMOVED)

L68 ANSWER 1 OF 1 CA COPYRIGHT 1995 ACS DUPLICATE 1

AN 123:225934 CA

TI Antibodies which bind human collapsin and use for neurite outgrowth
induction and nerve damage treatment

SO U.S., 11 pp.

CODEN: USXXAM

IN Raper, Jonathan A.; Luo, Yuling

PI US 5416197 A 950516

AI US 93-136922 931015

PY 1995

AB Essentially pure human collapsin and its uses are disclosed. An
isolated nucleic acid mol. that comprises a nucleotide sequence that
is complementary to a nucleotide sequence that encodes a portion of
human collapsin is disclosed. Antibodies that specifically bind to
human collapsin and that inhibit its activity are disclosed.
Methods of inhibiting the activity of collapsin, methods of inducing
neurite outgrowth and methods of treating individuals suffering from
nerve damage comprising the step of contacting neuronal cells with
nucleic acid mol. that comprises a nucleotide sequence that is
complementary to a nucleotide sequence that encodes a portion of
human collapsin or comprising the step of contacting a neuronal cell
with an antibody that specifically binds to human collapsin are
disclosed. Methods of identifying compds. that inhibit the activity
of human collapsin comprising the steps of contacting a neuronal
cell with human collapsin in the presence of a test compd. are
disclosed.

=> fil reg

FILE 'REGISTRY' ENTERED AT 12:44:29 ON 02 NOV 95

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STRUCTURE FILE UPDATES: 27 OCT 95 HIGHEST RN 169435-71-6

DICTIONARY FILE UPDATES: 1 Nov 95 HIGHEST RN 169435-71-6

TSCA INFORMATION NOW CURRENT THROUGH JUNE 1995

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

*** YOU HAVE NEW MAIL ***

=> s pfyf[nd]eiqs/sqsp

L69 8 PFYF[ND]EIQS/SQSP

=> s 169 not (155 or 138 or 130 or 123 or 117 or 111 or 13)
L70 0 L69 NOT (L55 OR L38 OR L30 OR L23 OR L17 OR L11 OR L3)

=> s gsavc.[fy]/sqsp
L71 16 GSAVC.[FY]/SQSP

=> s 171 not (169 or 155 or 138 or 130 or 123 or 117 or 111 or 13)
L72 2 L71 NOT (L69 OR L55 OR L38 OR L30 OR L23 OR L17 OR L11 OR L3)

=> d 1-2 sqide can;

L72 ANSWER 1 OF 2 REGISTRY COPYRIGHT 1995 ACS
RN 168458-98-8 REGISTRY
CN Semaphorin SemE (mouse) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Collapsin SemE (mouse)
FS PROTEIN SEQUENCE
SQL 751

SEQ 1 MAFRAICVLV GVFIICSICVR GSSQPQARVY LTFDELRETK TSEYFSLSHQ
51 QLDYRILLMD EDQDRIYVGS KDHILSLNIN NISQEPLSVF WPASTIKVEE
101 CKMAGKDPHT GCGNFVRVIQ TFNRTTHLYVC GSGAFSPVCT YLNRGRSED
151 QVFMIDSKCE SGKGRCSEFN NVNTVSVMIN EELFSGMYID FMGTDAAIFR
201 SLTKRMQLRT DQHNSKWLSE PMFVDAHVIP DGTDPNDAKV YFFFFKERLTD
251 NNRSTKQIHS MIARICPNDT GGQSLVNKW TTFLKARLVC SVTDEDGPET
301 HFDELEDVFL LETDNPRTTL VYGIFTTSS VFKGSAVCVY HLSDIQTVFN
=====

351	GPFAHKEGPN	HQLISYQGRI	PYPRPGTCPG	GAFTPNMRTT	KDFPDDVVT
401	IRNHPLMYNS	ISPIHRRPLI	VRIGTDYKYT	KIAVDRVNAA	DGRYHVLFLG
451	TDRGTQKVV	VLPTNSSASG	ELILEELEV	KNHVPITME	ISSKKQQLYV
501	SSNEGVSQVS	LHRCHYGT	CADCCCLARDP	YCAWDGHSCS	RFYPTGKRRS
551	RRQDVRHGNP	LTQCRGFNLK	AYRNAAEIVQ	YGVRRNNSTFL	ECAPKSPQAS
601	IKWLLQKDKD	RRKEGKLNER	IIATSQGLLI	RSVQDSDQGL	YHCIATENSF
651	KQTIKINFK	VLDSEMVAVV	TDKWSPTWA	GSVRALPFHP	KDILGAFSHS
701	EMQLINQYCK	DTRQQQLGE	EPQKMRGDYG	KLKALINSRK	SRNRRNQLPE
751	S				

HITS AT: 334-340

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:221278

L72 ANSWER 2 OF 2 REGISTRY COPYRIGHT 1995 ACS
RN 167470-96-4 REGISTRY
CN Collapsin-3 (chicken brain fragment) (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 294

SEQ 1 DDKIYFFFKE RLTDNSGSTK QIHSMIARIC PNDTGGQSL VNKWTTFLKA
51 RLVCSVMDED GTETYFDELE DVFLLETDP RTTLVYGIFT TSSSIFKGSA
=====

101	VCVYHLSDIQ	TVFNGPFAHK	EGSNHQLIPY	QGRIPYPRPG	TCPGGAFTPN
=====					
151	MRTTKEFPDD	VVTFIRNDPL	MYNPIYPIHK	RPLIIRIGTD	YKYTKIAVDR
201	VNAADGRCHV	LFLGTDQGT	VQKVVLPNTF	SASGELILEE	LEVFSNSPI

251 TTMKISSKKQ QLYVSSEEGV TQVPLHRCRI YGTACADCCL ARDP
HITS AT: 98-104
MF Unspecified
CI MAN
SR CA
LC STN Files: CAPLUS, CAPREVIEWS
1 REFERENCES IN FILE CAPREVIEWS
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> fil ca,caol,capre,caplus;s 172
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FILE 'CAPLUS' ENTERED AT 12:45:55 ON 02 NOV 95
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L73 1 FILE CA
L74 0 FILE CAOLD
L75 1 FILE CAPREVIEWS
L76 2 FILE CAPLUS

TOTAL FOR ALL FILES
L77 4 L72

=> dup rem 177
DUPLICATE IS NOT AVAILABLE IN 'CAOLD'. ANSWERS FROM THESE FILES WILL BE
CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L77
L78 2 DUP REM L77 (2 DUPLICATES REMOVED)

=> d 1-2 an .mh

L78 ANSWER 1 OF 2 CApreviews COPYRIGHT 1995 ACS DUPLICATE 1
AN 95:394055 CApreviews
TI A family of molecules related to collapsin in the embryonic chick
nervous system
SO Neuron (1995), 14(6), 1131-40
CODEN: NERNET; ISSN: 0896-6273
AU Luo, Yuling; Shepherd, Iain; Li, Jie; Renzi, Michael J.; Chang,
Susannah; Raper, Jonathan A.
PY 1995
AB Signaling mols. with either attractive or repulsive effects on
specific growth cones are likely to play a role in guiding axons to
their appropriate targets. A chick brain glycoprotein, collapsin,
has been shown to be a good candidate for a repulsive guidance cue.
We report here the discovery of four new mols. related to collapsin
in chick brains. All contain a semaphorin domain. One is
structurally very similar to collapsin but is only 50% identical in
its amino acid sequence. E have named it collapsin-2. The

collapsin-related genes exhibit distinct but overlapping patterns of mRNA expression in the developing spinal cord and the developing visual system. This family of collapsin-related mols. could potentially act as repulsive cues toward specific neuronal populations.

L78 ANSWER 2 OF 2 CA COPYRIGHT 1995 ACS DUPLICATE 2
AN 123:221278 CA
TI Murine semaphorin D/collapsin is a member of a diverse gene family and creates domains inhibitory for axonal extension
SO Neuron (1995), 14(5), 941-8
CODEN: NERNET; ISSN: 0896-6273
AU Pueschel, Andreas W.; Adams, Ralf H.; Betz, Heinrich
PY 1995
AB Members of the collapsin/semaphorin gene family have been proposed to act as growth cone guidance signals in vertebrates and invertebrates. To identify candidate mols. involved in axonal pathfinding during mouse embryogenesis, the authors isolated cDNAs encoding five new members of the semaphorin family (Sem A-Sem E). The murine semaphorin genes are differentially expressed in mesoderm and neuroectoderm before and during the time when axons select their pathways in the embryo. In explant cultures, recombinant Sem D/collapsin converts a matrix permissive for axonal growth into one that is inhibitory for neurites of peripheral ganglia. These data demonstrate that semaphorins are a diverse family of mols. that may provide local signals to specify territories non-accessible for growing axons.

=> fil reg

FILE 'REGISTRY' ENTERED AT 12:46:07 ON 02 NOV 95
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conducting SmartSELECT searches.

*** YOU HAVE NEW MAIL ***

=> s nsnwl[pa]v/sqsp

L79 6 NSNWL[PA]V/SQSP

=> s l79 not (l72 or l69 or l55 or l38 or l30 or l23 or l17 or l11 or l3)

L80 0 L79 NOT (L72 OR L69 OR L55 OR L38 OR L30 OR L23 OR L17 OR
L11 OR L3)

=> s p[ed]prpg[tqs]c/sqsp

L81 8 P[ED]PRPG[TQS]C/SQSP

=> s l81 not (l72 or l79 or l69 or l55 or l38 or l30 or l23 or l17 or l11 or l3)

L82 0 L81 NOT (L72 OR L79 OR L69 OR L55 OR L38 OR L30 OR L23 OR
L17 OR L11 OR L3)

=> s dpyc[ag]wd/sqsp

L83 15 DPYC[AG]WD/SQSP

```
=> s 182 not (181 or 172 or 179 or 169 or 155 or 138 or 130 or 123 or 117 or 111
L84      0 L82 NOT (L81 OR L72 OR L79 OR L69 OR L55 OR L38 OR L30 OR
          L23 OR L17 OR L11 OR L3)
```

```
=> del 184 y;s 183 not (181 or 172 or 179 or 169 or 155 or 138 or 130 or 123 or
'L84' DELETED
```

```
L84      0 L83 NOT (L81 OR L72 OR L79 OR L69 OR L55 OR L38 OR L30 OR
          L23 OR L17 OR L11 OR L3)
```